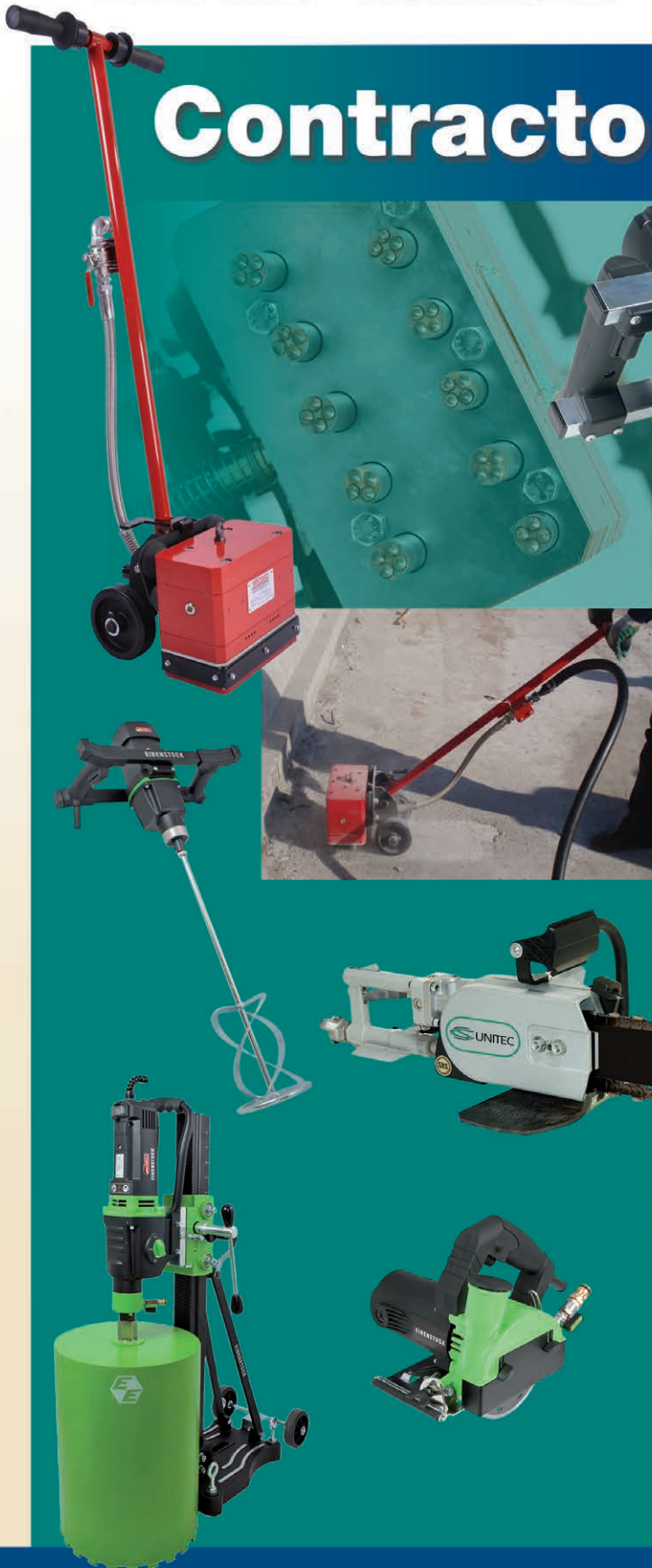




ELECTRIC • HYDRAULIC • PNEUMATIC



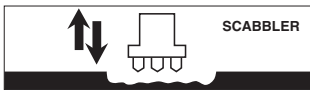
Contractor Tools



**Surface Preparation Tools
Concrete Grinders
Dust Collection Systems
Diamond Core Drills
Concrete Diamond Saws
Portable Mixing Machines**

Concrete and Masonry Tools

Surface Preparation Tools & Dust Collection Vacuums



SCABBLER



SCARIFIER



CHISEL SCALER



GRINDER

CS Unitec's Trelawny™ line of surface preparation tools features many Vibro-Lo™ models. These models include integrated vibration reduction technology to operate with 7x less vibration than standard models. Vibration damping components offset the hammer vibration when the tool impacts the workpiece, reducing the risk of vibration-related injury.




Surface Preparation Tools & Dust Collection Vacuums

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Needle/Chisel Scalers		
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Concrete and Masonry Tools

Grinding, Core Drilling, Mixing, Sawing & More

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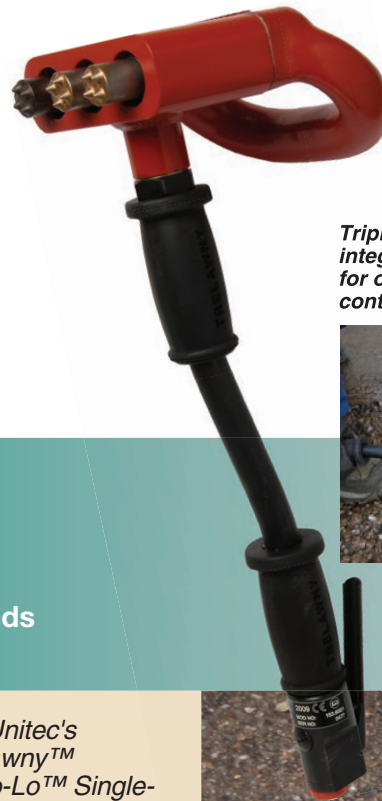
Hand-Held Construction Scabblers



Roughen, reduce and level concrete; prepare surfaces for coatings and finishes

CS Unitec's Trelawny™ line of pneumatic hand-held construction scabblers are ideal for roughing and reducing concrete surfaces to remove laitance and coatings and expose aggregate to allow for proper application of new materials such as textured finishes and waterproofing coatings.

- Single-head scabbler includes integrated Vibro-Lo™ vibration reduction technology
- Triple scabbler includes integrated back handle grip for comfortable operation and control
- Single-piece Tungsten Carbide Tipped pistons with Cruciform or Bush heads



Pneumatic

Triple Scabbler includes integrated back handle grip for operator comfort and control.



Applications include:

- Scabbling concrete to expose aggregate
- Leveling concrete and block joints
- Texturing, roughing and reducing concrete
- Preparing for coatings and waterproofing compounds
- Bridge maintenance

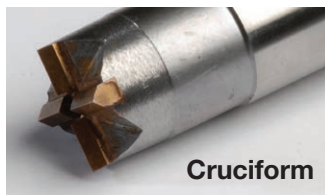
Scabbling Hammer Accessories

	Part No.	For Model Numbers
Single-Piece Cruciform Piston	612.6000	151.6170 and 153.6150
Single-Piece Bush Piston	612.6010	151.6171 and 153.6151
Whip Check	815.5550	
Lubricators	859.1530 859.1555	151.6171 and 151.6170 153.6151 and 153.6150

CS Unitec's Trelawny™ Vibro-Lo™ Single-Head Scabbler operates with 7x less vibration than standard models. This tool utilizes vibration damping components to offset the hammer vibration created when the head impacts the workpiece.



Concrete scabbling using single-head, Vibro-Lo™ Scabbling Hammer



Pneumatic Hand-Held Construction Scabbling Hammers

Model	Description	Model Number	Weight (lbs.)	Dimensions (LxH)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
Single Head	Bush Hammer Piston	151.6171	6.5	19" x 6.2"	2800	12	98.5	4.6
	Cruciform Piston	151.6170	6.5	19" x 6.2"	2800	12	98.5	4.6
Triple Head	Bush Hammer Pistons	153.6151	10.5	19" x 8.6"	8400	16	98.5	41.6
	Cruciform Pistons	153.6150	10.5	19" x 8.6"	8400	16	98.5	41.6



Heavy-Duty Hand-Held Scabblers



Ideal for more demanding concrete preparation and coating removal applications

CS Unitec's Trelawny™ line of pneumatic heavy-duty hand-held scabblers are ideal for more demanding scabbling applications such as the removal of steel scale deposits and the preparation of concrete cracks for repair.

- Single-head, heavy-duty scabblers include integrated Vibro-Lo™ vibration reduction technology
- Single-piece Tungsten Carbide Tipped pistons with Cruciform or Bush heads
- Optional dust shroud for dust and debris collection





Pneumatic

Applications include:

- Removing steel scale deposits
- Prepare concrete cracks for repair
- Texturing, roughing, reducing and leveling concrete
- Scabbling concrete to expose aggregate
- Preparing for coatings and waterproofing compounds

Pneumatic Hand-Held Construction Scabbling Hammers

Description	Model Number	Handle Type	Dimensions (LxH)	Weight (lbs.)	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels (m/s ²)
SF1 Single Head – 2400 Blows per minute							
TCT Bush Hammer Piston	151.5250	Long	19" x 6.2"	5	6.5	94	7.0
TCT Cruciform Piston	151.5200	Long	19" x 6.2"	5	6.5	94	7.0
TCT Cruciform Piston	199.6190	Short	9.25" x 6"	4.5	6.5	94	7.0
VLSF1 Low-Vibration Single Head – 2900 Blows per minute							
TCT Bush Hammer Piston	196.5105	Long	19" x 6.2"	5	11.9	91	4.5 
TCT Cruciform Piston	196.5100	Long	19" x 6.2"	5	11.9	91	4.5 
SF3 Triple Head – 7200 Blows per minute							
TCT Bush Hammer Piston	153.5250	Long	19" x 6.2"	8	15.9	98	8.7
TCT Cruciform Piston	153.5200	Long	19" x 6.2"	8	15.9	98	8.7
TCT Cruciform Piston	199.6390	Short	9.25" x 6"	7	15.9	98	8.7

Heavy-Duty Scabblers Accessories

	Part No.	For Model Numbers
Single-Piece Cruciform Piston	612.5320	151.5200, 199.6190, 196.5100, 153.5200 and 199.6390
Single-Piece Bush Piston	612.5325	151.5250, 196.5105 and 153.5250
Whip Check	815.5550	
Lubricators	859.1530	Single-Head Scabblers
	859.1555	Triple-Head Scabblers
Vacuum Shroud*	437.5100	151.5200 and 151.5250
	437.5300	153.5200 and 153.5250

* Not available for low-vibration models



Concrete scabbling using single-head, Vibro-Lo™ Heavy-Duty Scabblers



Reduce dust and hazardous particles in work area with optional vacuum shroud for Heavy-Duty Hand-Held Scabblers (left).

See page 21 for dust extraction systems.

11-Head Floor Scabbler - MHS11



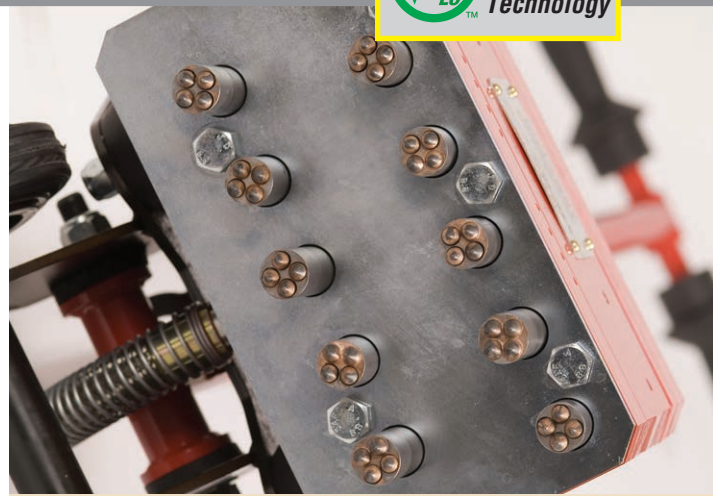
Concrete keying and laitance removal – 11 heads provide 24,000 light blows per minute

CS Unitec's Trelawny™ MHS11 Multi-Headed Concrete Floor Scabbler is a portable, compact, low-vibration machine that covers up to 100 sq. ft./hour.

- Integrated Vibro-Lo™ vibration reduction technology
- 24,000 light blows per minute
- Built-in dust shroud for dust and debris collection (model no. 159.6051)
- Low air consumption

Pneumatic

MHS11 includes dust shroud and vacuum port
(Model no. 159.6051)



CS Unitec's Trelawny™ MHS11 multi-headed concrete floor scabbler operates with 7x less vibration than standard models. This tool utilizes a 3-point mechanical vibration damping system to offset the hammer vibration created when the head impacts the workpiece.

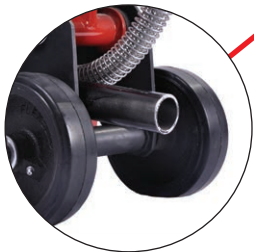
Applications include:

- Concrete keying
- Laitance removal
- Situations requiring gentle, effective scabbling without damaging the substrate below

Dust Port

Dust shroud, P/N 437.0120, to collect dust and debris when connected to a dust collection vacuum. Included with model no. 159.6051

See page 21 for dust extraction systems.



MHS11 Accessories

	Part No.
One-Piece Piston TCT Bush Hammer Head	612.0125
Replaceable TCT Bush Hammer Cutter Head	426.5355
Replaceable TCT Cruciform Cutter Head	426.5358
Piston for Replaceable Cutter Heads	612.0120
Whip Check	815.5550
Lubricators	859.1580

Head Applications:

Bush Hammer Heads are ideal for laitance removal; roughing concrete for resurfacing; bridge deck preparation for waterproofing.

Cruciform Cutter Heads are ideal for leveling floors; reducing concrete; removal of floor paints and coatings.
Call for details on complete MHS11 with Cruciform Heads.

MHS11 Low-Vibration Pneumatic Multi-Headed Concrete Floor Scabbler

Model	Description	Model Number	Weight (lbs.)	Dimensions (WxLxH)	Cutting Width	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
MHS11	With Dust Shroud and Bush Hammer Heads	159.6051	158	11.25" x 13.5" x 50"	10"	24,200	55	97	4.96
	With Bush Hammer Heads	159.6050	155	11.25" x 13.5" x 50"	10"	24,200	55	97	4.96



Multi-Headed Floor Scabbler - MHS5

Fast concrete removal and demolition with integrated dust port

CS Unitec's Trelawny™ MHS5 Multi-Headed Concrete Floor Scabbler is the ultimate demolition tool for quick concrete removal.

- 6500 BPM for fast removal and demolition
- Integrated dust shroud for dust and debris collection
- Large wheels for rough terrain
- Built-in dead man's handle

Applications include:

- Leveling high spots
- Texturing and roughening for sealant and overlay preparation
- Breaking down hard coatings prior to blast cleaning



MHS5 includes integrated vacuum shroud and port.

See page 21 for dust extraction systems.

MHS5 Accessories

	Part No.
Cruciform Scabbler Head	441.5360
5-Point Bush Hammer Head	441.5359
9-Point Bush Hammer Head	441.5369
Whip Check	815.5550
Lubricators	859.1580
Dust Shroud	Included

Head Applications:

Cruciform Scabbler Heads are ideal for leveling floors, reducing concrete and removing floor paints and coatings.

5-Point Bush Hammer Heads are ideal for removing laitance from large floor areas, roughing concrete prior to resurfacing and preparing bridge decks for waterproofing.

9-Point Bush Hammer Heads are ideal for removing laitance from large floor areas, roughing concrete prior to resurfacing and preparing bridge decks for waterproofing.

MHS5 Pneumatic Multi-Headed Concrete Floor Scabbler

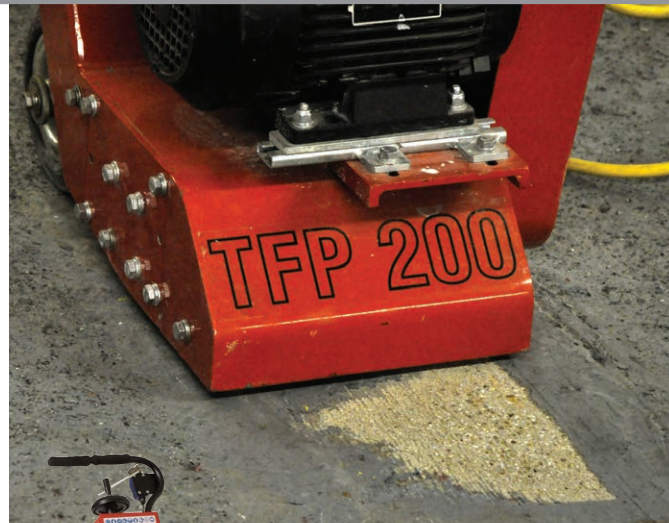
Model	Description	Model Number	Weight (lbs.)	Dimensions (WxLxH)	Cutting Width	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
MHS5	5-Point Bush Head	159.5050	251	28" x 43" x 38"	11"	6500	80	94.7	16.5
	9-Point Bush Head	159.5075	251	28" x 43" x 38"	11"	6500	80	94.7	16.5

Floor Scarifiers - Gas • Electric • Pneumatic

Remove rust, scale, paint, adhesives and more from steel and concrete

CS Unitec's Trelawny™ Floor Scarifiers tackle the most demanding surface preparation and material removal applications. Ideal for the removal of coatings and corrosion from steel and concrete surfaces to prepare for re-coating. Produce an ideal keyed or grooved profile on concrete for waterproofing and non-slip surface applications.

- Depth control maximizes performance and extends cutter life
- Integrated vacuum connection and hold-to-run handle
- Fully adjustable handlebar for operator comfort
- Electric, pneumatic or gas power



Applications include:

- Removal of rust, scale, paint, adhesives and more
- Keyed or grooved profiles
- Roughing concrete



TFP 200 Electric



TFP 200 Pneumatic



TFP 200 Gas



TFP 200 Cutters

	Individual Cutter	Cutters/Spacers Required Per Drum	Drum Assembly
Wire Brushes	N/A	N/A	320.9620
Beam Cutters	320.5120	226 Pieces	320.1020SB
Star Cutters	320.3658	208 Pieces	320.1020SS
TCT Cutters and Spacers	320.5500 320.4140	80 Pieces 88 Pieces	320.1020ST
Milling Cutters (22mm)	320.5600	24 Pieces	320.1020SM
TCT Cutters (for grooving) and Spacers	320.5500 320.4140	24 Pieces 232 Pieces	320.002G

Cutter Applications:

Wire Brushes are ideal for finish cleaning and polishing on steel; can be used for light concrete deposits.

Beam Cutters are ideal for light paint/corrosion removal, with minimal damage to substrate.

Star Cutters are ideal for the removal of mastics and rubberized coatings.

Tungsten Carbide Tipped (TCT) Cutters are ideal for aggressive applications such as roughing concrete and heavy corrosion removal, as well as grooving roadways for non-slip surface.

Milling Cutters are ideal for the removal of plastic road markings without penetrating the surface.



TFP 200 Floor Scarifiers

Model Number	Motor Specifications	Max Cutting Depth per Pass	Cutting Width	Dimensions (WxLxH)	Weight (lbs.)
TFP 200 Electric					
320.2004T	230V, 50/60 Hz, 1 Phase, 3 HP	1/8"	8"	14" x 35" x 35"	149
TFP 200 Pneumatic					
320.2012T	165 CFM @ 90 PSI, 3.5 HP	1/8"	8"	14" x 35" x 35"	99
TFP 200 Gas					
320.2000T	Honda GX160 Gas, 5.5 HP	1/8"	8"	14" x 35" x 35"	130

Floor Scarifiers - Electric • Gas

TFP 260 floor scarifier with 10" cutting width for medium to large jobs

Remove coatings and corrosion from steel and concrete surfaces to prepare for re-coating. Level and remove hard materials. Remove painted lines.

- Depth control maximizes performance and extends cutter life
- Integrated vacuum connection for dust-free operation
- Quick-lift drum lever for operator control
- Gas or electric power



TFP 260 Cutters	Individual Cutter	Cutters/Spacers Required Per Drum	Drum Assembly
Beam Cutters	326.5120	332 Pieces	326.1016DB
Star Cutters	326.3658	342 Pieces	326.1016DS
TCT Cutters and Spacers	320.7009 320.1460	123 Pieces 129 Pieces	326.1016ST
Milling Cutters (16mm)	320.5680	60 Pieces	326.1016DM
TCT Cutters (for grooving) and Spacers	320.7009 320.1460	36 Pieces 224 Pieces	326.1016GT

TFP 260 Floor Scarifiers

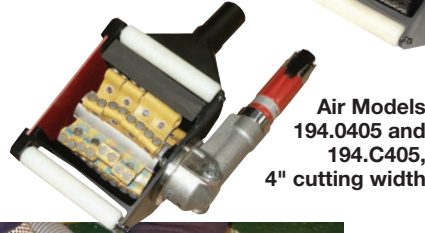
Model Number	Motor Specifications	Max Cutting Depth per Pass	Cutting Width	Dimensions (WxLxH)	Weight (lbs.)
TFP 260 Gas					
326.2000T	Honda GX240 Gas, 8 HP	1/4"	10"	17" x 44" x 45"	408
TFP 260 Electric					
326.2006T	415V, 50/60 Hz, 3-Phase, 7.5 HP	1/4"	10"	17" x 44" x 45"	408

Hand-Held Scarifiers - Pneumatic and Electric

Peening Preparation Tool (PPT) – Ideal alternative to small-area shot blasting

CS Unitec's Trelawny™ Rotopeen™ hand-held scarifiers are the ideal alternative to small-area shot blasting for cleaning and preparing steel and concrete surfaces. They utilize 3M's brand of Rotopeen™ 'C' flaps to offer a captive shot method of surface preparation.

- Pneumatic and electric models
- Integrated dust shroud for dust and debris collection, as well as cleaner, safer removal of lead-based paints and contaminated particles



Air Models
194.0405 and
194.C405,
4" cutting width



Above: Ergonomic rubber hand grip standard on all new 2" and 4" models. Provides grip for easier pushing along material.

Applications include:

- Aggressive removal of alkyls, adhesives, lead-based paints, mastics, coatings, corrosion and more
- Cleaning and preparing steel and concrete surfaces



See page 21 for dust extraction systems.



Optional Accessory

Left: Optional top handle attachment kit to replace rubber grip on 2" and 4" models. (P/N 312.Q450)

Hand-Held Scarifier Accessories

Star Cutter
P/N 312.S200
Aggressive removal of thick coatings

Beam Cutter
P/N 312.R200
Removal of hard coatings, less aggressive than star cutter

3M™ Rotopeen™ 'C' Flap
P/N 312.MRPC
Removal of paint and rust to bare metal finish



Star Cutter
Cutting Width Quantity Required
2" 80
4" 160



Beam Cutter
Cutting Width Quantity Required
2" 56
4" 112



Rotopeen™ 'C' Flap
Cutting Width Quantity Required
2" 6
4" 12

HEAVY SCALING

SURFACE PROFILING

	Star Cutter	Beam Cutter	3M™ Rotopeen™ 'C' Flap
Nuclear	—	—	Radioactive waste removal/capture
Ship decks	Non-slip coatings	—	General paint removal
Construction	Plaster removal	Ceiling / wall paint removal	Ceiling / wall paint removal
Factory Floors	—	Floor marking removal	Floor marking removal
Swimming Pools	Adhesive removal	Adhesive removal	—
Bridge Maintenance	Sealant removal	—	Paint / sealant removal
Pipeline Maintenance	—	—	Protective coating removal

Pneumatic Hand-Held Scarifiers

Model Number	CFM @ 90 PSI	Speed (RPM)	Cutting Width	Cutting Media	Weight (lbs.)	Vibration Levels m/s ²
194.0205	30	2700	2"	'C' Flaps	7.5	3.5
194.C205	30	2700	2"	Star Cutters	11.5	6.0
194.0405	30	2700	4"	'C' Flaps	9	3.1
194.C405	30	2700	4"	Star Cutters	13.25	4.6

These models are compatible with Star Cutters, Beam Cutters and Rotopeen™ 'C' Flaps

Electric Hand-Held Scarifiers

Model Number	Motor Power	Speed (RPM)	Cutting Width	Cutting Media	Weight (lbs.)	Vibration Levels m/s ²
195.1217	110V	2000	2"	'C' Flaps	11	3.6
195.1220	220V	2000	2"	'C' Flaps	11	3.6
195.1417	110V	2000	4"	'C' Flaps	12	5.2



Electric Model 195.1220 2" cutting width with Rotopeen™ 'C' flaps. 4" width also available.



Long-Reach Chisels/Scrapers/Scalers

Chip, scrape and descale with one versatile tool

CS Unitec's Trelawny™ Long-Reach Scrapers feature one tool with multiple applications.



- Available in 2', 4', 5' and 6' lengths
- Three tools in one – chipper, scraper and descaler
- Quick-change chisel release
- Low air consumption
- Standard and "LITE" models

Applications include removal of:

- Ice
- Residue
- Adhesive
- Asbestos
- Linoleum
- Carpeting
- Plaster
- Mortar
- Floor tiles
- Metal slag
- Rubber coatings
- Roofing materials
- Chemical spillages
- Bituminous products



Chisel Accessories

Chisel Part No.	Chisel Length	Blade Width	Applications
705.1100	9"	2"	Spark-resistant aluminum bronze for use in hazardous areas 
705.1101	9"	1"	Flat chisel for sand cast chipping
705.1102	8"	4"	Asphalt cutter / paint removal / general chipping applications
705.1106	9"	2"	Removal of linoleum from floor base
705.1112	8"	4"	Spark-resistant aluminum bronze for use in hazardous areas 
705.2102	8"	4"	Floor tile removal
708.1101	1"	1-1/8" <i>(comb insert)</i>	Brick cleaning and reclamation (use with 8" long comb holder 708.1100)

Chipping Scraping Descaling



Scraper Accessories

Scraper Assembly Part No.	Blade Pack	Blade Width	Applications
---------------------------	------------	-------------	--------------

Flat			
431.3504	439.3504 (5 Blades)	4"	Adhesive and paint build up removal
431.3508	439.3508 (5 Blades)	8"	Paint and coating spillage removal
431.3512	439.3512 (4 Blades)	12"	Carpet and tile removal
Beveled			
431.3904	439.3524 (5 Blades)	4"	Stubborn adhesive removal
431.3908	439.3528 (5 Blades)	8"	Carpet and tile removal
431.3912	439.3522 (4 Blades)	12"	Adhesive removal



Needle Scaler Accessories

All long-reach scrapers are available as needle scalers by changing the scraper/chisel with the needle attachment P/N 415.3532. See page 19 for needles.

Long-Reach Chisels/Scrapers

Model	Description	Model No.	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)
Standard Scrapers	2ft. Chisel	136.3299	8	2200	4.5	84
	4ft. Needle	137.3400	11	2200	4.5	104
	4ft. Chisel	136.3499	11	2200	4.5	84
	5ft. Chisel	136.3599	12	2200	4.5	86
LITE Scrapers	4ft. Chisel	136.3497	6.75	2200	4.5	89
	5ft. Chisel	136.3597	7.5	2200	4.5	89
	6ft. Chisel	136.3697	8.5	2200	4.5	84



Heavy-Duty Needle Scalers

Heavy-Duty Needle Scalers

Ideal for cleaning and stress-relieving weld seams and joints; texturing concrete; and removing coatings, corrosion and other accumulated materials.

Power & Productivity

- Oversized piston with longer stroke
- Heavy-duty hardened anvil
- Chisel-tipped needles

Low Maintenance & Less Downtime

- Air powered – fewer moving parts
- Converts to chisel scaler in seconds
- Piston valve

Versatile

- One tool for different applications
- Lightweight – easy to handle

Inline Grip



1B



2B



2B Combination Kit
See next page for more information.

Semi Pistol Grip



3B



4B



2BPG



3BPG


Pistol Grip



Grip	Description	Model Number	Needle Qty./Dia.	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
Inline	1B Needle Scaler	111.1099	12 / 3mm	3.5	3800	3.0	110.4	8.5
	2B Needle Scaler	121.2099	19 / 3mm	5.75	3000	5.5	113.3	9.3
Pistol	2BPG Needle Scaler	123.2199	19 / 3mm	5.75	3000	5.5	113.3	12.6
	3BPG Needle Scaler	133.3199	28 / 3mm	8.25	2200	8.0	114.5	18.9
Semi Pistol	3B Needle Scaler	131.3099	28 / 3mm	10	2200	8.0	114.5	12.2
	4B Needle Scaler	141.4099	35 / 4mm	12.5	1800	8.5	117.4	23.5

See page 19 for needles:

Chisel for light surface marking
Flat for light treatment and polishing effect
Pointed for very hard scale

Copper Beryllium  for use in potentially explosive areas

Stainless Steel for use in applications where corrosion or humidity is a problem, such as the food processing industry



Dust Collection Shroud for Standard Needle Scalers

Optional Dust Shroud for Needle Scalers – for use with dust extraction vacuums.

Model 2B and 2BPG Needle Scalers – Order Dust Shroud P/N 418.2199

Model 3BPG Needle Scaler – Order Dust Shroud P/N 418.3039

TVS™ Needle Scalers with Integrated Vacuum Shroud



CS Unitec's Trelawny™ TVS™ Needle Scalers with Integrated Vacuum Shroud enable dust-free working in hazardous applications when used with a dust extraction vacuum (see page 21 for dust collection systems).



Grip	Description	Model Number	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
Inline	2B Needle Scaler	139.2007	6.4	3000	5.5	98.6	17.4
Pistol	2BPG Needle Scaler	139.2107	6.6	3000	5.5	98.6	22.4
	3BPG Needle Scaler	139.3107	9.9	2200	8.0	105.1	19.9

Heavy-Duty Chisel Scalers

Heavy-Duty Chisel Scalers

Ideal for splitting, chipping, pointing, brick raking and removing accumulated materials and corrosion.

- Inline, pistol and semi-pistol grip
- Ball bearing chisel retainer

Grip	Description	Model Number	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
Inline	1B Chisel Scaler	114.1200	3.3	3800	3.0	98.9	8.2
	2B Chisel Scaler	124.2200	4.4	3000	5.5	98.6	17.4
Pistol	2BPG Chisel Scaler	125.2300	4.5	3000	5.5	98.6	22.4
	3BPG Chisel Scaler	135.3300	6.2	2200	8.0	105.1	25.6
	3BPG Chisel Scaler*	135.3395	6.2	2200	8.0	105.1	25.6
Semi Pistol	3B Chisel Scaler	134.3200	7.5	2200	8.0	105.1	19.9
	4B Chisel Scaler	144.4200	8.2	1800	8.5	105.1	45.2

* 3BPG Chisel Scaler 135.3395 has 5/8" hexagonal chisel holder and is compatible with chisels shown on page 11. All others Chisel Scalers shown above have 1/2" square connection.



Inline Grip



1B



2B



3B



2BPG



4B

Semi Pistol Grip



Pistol Grip

2B Combination Kit




Kit includes 2B Needle Scaler, 19 (3mm) needles, 3/4" width chisel and allen wrench. P/N 199.3120



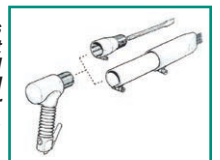
Chisels for Standard Chisel Scalers

1/2" Square Connection

Chisel Part No.	Shank	Length	Width	Application
704.1110	Square	7"	2"	Spark-resistant aluminum bronze for use in hazardous areas 
704.2105	Square Cranked End	7"	3/8"	Weld flux and thick coating removal
704.1101	Square	7"	3/4"	Weld splatter removal
704.1103	Square	7"	2-1/2"	Wide flat chisel for the removal of rust or peeling paint
704.1107	Square	10"	3/4"	Flat chisel for weld splatter and sand cast cleaning
704.1106	Square	8"	1/4"	Mortar removal for repointing brick work
704.1112	Square	7"	Moil Point	Concrete chipping

CS Unitec offers a full line of non-sparking, non-magnetic chisels and safety hand tools for hazardous areas and Ex zones. Contact us for details.

Standard Needle Scalers and Chisel Scalers convert in seconds with optional head or when purchased as a Kit. Contact us for more information.



Low-Vibration Needle/Chisel Scalars



High power with low vibration – equipped with Vibro-Lo™

CS Unitec's Trelawny™ line of low-vibration needle/chisel scalars offer high performance and low vibration for greater productivity and improved operator comfort. Ergonomically designed with low maintenance and quick-change tooling option.

- Integrated Vibro-Lo™ vibration reduction technology
- Lightweight and easy to handle
- Optional dust shroud for dust and debris collection
- Tool-free needle changeover
- Converts to chisel scaler in seconds



VL223



VL203



VL303



Needle Scalars and Chisel Scalars convert in seconds with optional head or when purchased as a Kit. See page 16 for Kit information.



Dust Collection Shroud

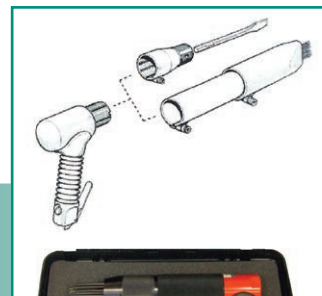


ATEX-Certified Needle Scalars are available for hazardous environments and Ex Zones. See page 17 for details.



Applications include:

- Cleaning and stress-relieving weld seams and joints
- Removing coatings, corrosion and other accumulated materials
- Texturing concrete
- Splitting, chipping, pointing and brick raking



Heavy-Duty Low-Vibration Needle Scalers



Heavy-Duty Vibro-Lo™ Needle Scalers

- Inline or pistol grip
- Remove coatings, corrosion and other accumulated materials
- Ideal for stress-relieving weld seams and joints



VL223



VL203



VL303

Needle Scalers and Chisel Scalers convert in seconds with optional head or when purchased as a Kit. See page 16 for Kit information.



Grip	Description	Model Number	Needle Quantity/ Diameter	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
Inline	VL223 Needle Scaler	199.2103	19 / 3mm	5.25	2400	4	90.7	2.56
	VL223 Needle Scaler with dust shroud	139.2103	19 / 3mm	5.25	2400	4	90.7	2.56
Pistol	VL203 Needle Scaler	199.2003	19 / 3mm	6	2400	4	90.7	2.75
	VL203 Needle Scaler with dust shroud	199.2303	19 / 3mm	6	2400	4	90.7	2.75
	VL303 Needle Scaler	199.3003	28 / 3mm	7.75	3000	5.5	109.5	2.3
	VL303 Needle Scaler with dust shroud	199.3005	28 / 3mm	7.75	3000	5.5	109.5	2.3

See page 19 for the following types of needles:

- Chisel** for light surface marking
- Flat** for light treatment and polishing effect
- Pointed** for very hard scale
- Copper Beryllium** ⚠️ for use in potentially explosive areas
- Stainless Steel** for use in applications where corrosion or humidity is a problem, such as the food processing industry

Dust Collection Shroud for Vibro-Lo™ Needle Scalers



Optional Dust Shroud for Needle Scalers – for use with dust extraction vacuums.

- Model VL223 Needle Scaler – Order Dust Shroud P/N 418.2003
- Model VL203 Needle Scaler – Order Dust Shroud P/N 418.2003
- Model VL303 Needle Scaler – Order Dust Shroud P/N 418.3003

See page 21 for dust extraction systems.

Drop Protection Kit

CS Unitec offers a drop protection kit for our Vibro-Lo™ Needle/Chisel Scalers. Protect your investment when working at heights or in applications where dropping/losing the tool is likely, including: offshore platforms and rigs, bridges/scaffolding, vessels and ships.

For VL223 and VL203
Order P/N 720.2003*

For VL303
Order P/N 720.3003*

* Safety clip and line not supplied








Heavy-Duty Vibro-Lo™ Chisel Scalers

Grip	Description	Model Number	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²
Inline	VL223 Chisel Scaler	199.2213	6.5	2400	4	76.3	3.69
Pistol	VL203 Chisel Scaler	199.2203	7	2400	4	76.3	3.33
	VL303 Chisel Scaler	199.3203	9.5	3000	5.5	78.2	3.7



Chisels for Vibro-Lo™ Chisel Scalers

Chisel Part Number	Shank	Length	Width	Application
 704.3110	Square	7"	2"	Spark-resistant Aluminum Bronze for use in hazardous areas
 704.3205	Square Cranked End	7"	3/8"	Weld flux and thick coating removal
 704.3101	Square	7"	3/4"	Weld splatter removal
 704.3103	Square	7"	2-1/2"	Wide, flat chisel for the removal of rust or peeling paint
 704.3107	Square	10"	3/4"	Flat chisel for weld splatter and sand cast cleaning



CS Unitec offers a full line of non-sparking, non-magnetic chisels and safety hand tools for hazardous areas and Ex zones. Contact us for details.



Vibro-Lo™ Needle/ Chisel Scaler Kits

CS Unitec offers Vibro-Lo™ Needle/Chisel Scaler Kits, each supplied with the Needle Scaler, 3mm needles, a chisel holder, anvil and a 3/4" blade chisel.

VL223 Kit – Order P/N 199.2113

VL203 Kit – Order P/N 199.2105

VL303 Kit – Order P/N 199.3103

VL223 Kit and VL303 Kit do not include a plastic carrying case.



VL203 Kit – Plastic carrying case included.



Specially designed for use in hazardous environments – equipped with Vibro-Lo™ low-vibration technology

These specially engineered Trelawny™ VL203Ex, VL223Ex and VL303Ex needle scalers are:

- Fully certified to the classification EX II 2Gc IIA T4 under the European Directive 94/9/EC.
- Ideal for use in oil, gas and petrochemical applications such as refineries, offshore platforms, LPG terminals and all chemical processing environments.

ATEX Certified

For use in hazardous environments and ATEX and Ex Zones



Grip	Description	Model Number	Needle Quantity/ Diameter	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s ²	
Inline	VL223Ex Needle Scaler with dust shroud	139.2423	19 / 3mm	5.25	2400	4	90.7	2.56	
Pistol	VL203Ex Needle Scaler with dust shroud	139.2403	19 / 3mm	6	2400	4	90.7	2.75	
	VL303Ex Needle Scaler with dust shroud	139.2433	28 / 3mm	7.75	3000	5	109.5	2.3	



VL223Ex

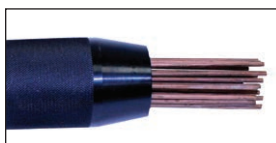


VL203Ex



VL303Ex

Standard Features



Copper Beryllium needles – high strength with non-sparking and non-magnetic properties.



Dust shroud to protect user from hazardous dust and debris.



Fall arrestor eliminates the risk of dropping the tool, causing injury or equipment damage.



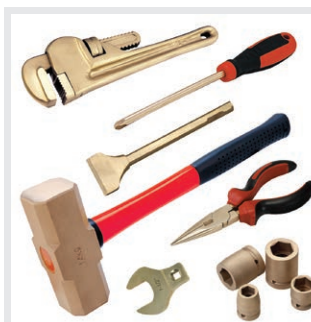
Vibro-Lo™ technology operates with 7x less vibration than standard models.



Kit includes ATEX-Certified needle scaler, extra set of Copper Beryllium needles, dust shroud, corner cuff, edge cuff, flat cuff and fall arrestor.

Optional Accessory

Anti-static lanyard available for use with the fall arrestor (P/N 415.3003)



Non-Sparking, Non-Magnetic Safety Hand Tools

CS Unitec offers a complete line of high-quality safety hand tools for use in Ex Zones, ATEX Zones and hazardous environments where hazardous, flammable or combustible vapors, liquids, dusts or residues may be present. **Contact us for more information!**



Lightweight and slim design for tight areas – equipped with Vibro-Lo™

CS Unitec's electric low-vibration needle scaler offers a powerful motor and low vibration for greater productivity and operator comfort. Optional accessories convert needle scaler to chisel scaler or bush hammering tool.



NEW!
Available
Late 2016

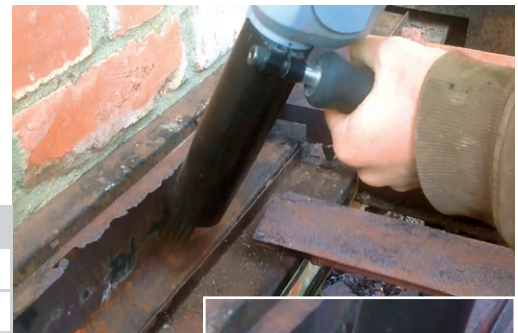
- Integrated Vibro-Lo™ vibration reduction technology
- Lightweight and easy to handle
- Optional dust shroud for dust collection vacuum
- Converts to chisel scaler in seconds
- Optional Bush Hammer Head Kit converts needle scaler to hammering tool



CS Unitec's Electric Needle and Chisel Scalers operate with 7x less vibration than standard models. These tools utilize vibration damping components to offset the hammer vibration created when the needles/chisels impact the workpiece.

Electric Vibro-Lo™ Needle Scaler

Model Number	Needle Quantity/ Diameter	Weight (lbs.)	Blows per minute	Power
VL219E Needle Scaler				
196.6002	19 / 3mm	8.15	3000	110 V, 650 Watts, 60Hz
196.6004	19 / 3mm	8.15	3000	230 V, 650 Watts, 50Hz



Optional Accessories



Chisel Kit – P/N 419.6610
Converts VL219E into a chisel scaler



Bush Hammer Head Kit – P/N 415.6610
Converts VL219E into a Bush Hammer tool



Bush Hammer Head – P/N 612.6600



Dust Shroud – P/N 418.6100
For use with dust extraction vacuums
See page 21 for dust extraction systems.



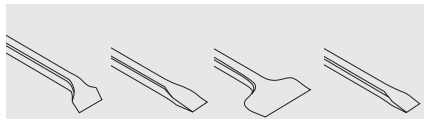
Needles



Flat

19 needles (5" long x 3mm dia.) – P/N 443.1115
Box of 1000 needles (5" long x 3mm dia.) – P/N 443.1105

Chisels



See page 16 for the following types of chisels:

- Square Cranked End** for weld flux and thick coating removal
- Square (3/4" wide)** for weld splatter removal
- Square (2-1/2" wide)** for removal of rust or peeling paint
- Square (3/4" wide)** for weld splatter and sand cast cleaning

Needles

CS Unitec's Trelawny™ needles last 10x longer than standard needles. Save time and money with fewer needle changes and less downtime.

All of CS Unitec's Needle Scalers are delivered from stock complete with 180mm long x 3mm diameter chisel-tipped, high-performance needles. Other needle holders are available as accessories for use with 2mm and 4mm diameter needles. We also offer spark-resistant needles for use in potentially hazardous areas and Ex zones, as well as stainless steel needles for use in humid areas – such as applications in the food processing industry – where corrosion is a concern.

Standard pack set is one carton of 6 sets. Some models are packed as an individual set in a box. Boxes of 100 qty. needles in a durable, reusable plastic container are available, as are larger quantities.



Chisel Tip

These needles will clean the same materials as a pointed tip, but will leave light surface marking.



Size	Description	Part #
3mm	6 x sets of 12 needles	413.2112
3mm	6 x sets of 19 needles	413.2119
3mm	6 x sets of 28 needles	413.2128
3mm	Box of 100 needles	453.2110
3mm	Box of 1000 needles	443.2107

Flat Tip

Flat-tipped needles will reduce marking on metal surfaces and can give a polishing effect. For use on thin-gauge metals and any surface where a light treatment is required.



2mm needles used on a welded joint produce a similar effect to shot peening, reducing stress in the weld.

Size	Description	Part #
2mm	6 x sets of 29 needles	412.1129
2mm	6 x sets of 51 needles	412.1151
2mm	6 x sets of 65 needles	412.1165
2mm	Box of 100 needles	452.1110
2mm	Box of 2000 needles	442.1107
3mm	6 x sets of 19 needles	413.1119
3mm	6 x sets of 28 needles	413.1128
3mm	Box of 100 needles	453.1110
3mm	Box of 1000 needles 7" long (180mm)	443.1107
4mm	6 x sets of 19 needles	414.1119
4mm	6 x sets of 35 needles	414.1135
4mm	Box of 50 needles	454.1105
4mm	Box of 500 needles	444.1107
3mm	Box of 1000 needles 5" long (127mm)	443.1105
3mm	19 x needles 5" long (127mm)	443.1115

Pointed Tip

Sharpened to a conical point, these are the most effective in breaking through very hard scale on materials where some surface indentation is permissible, or where a roughening or keying of the surface is desirable.



Size	Description	Part #
3mm	6 x sets of 19 needles	413.3119
3mm	6 x sets of 28 needles	413.3128
3mm	6 x sets of 49 needles	413.3149
3mm	Box of 100 needles	453.3110
3mm	Box of 1000 needles	443.3107
4mm	6 x sets of 19 needles	414.3119
4mm	6 x sets of 35 needles	414.3135
4mm	Box of 50 needles	454.3105
4mm	Box of 500 needles	444.3107

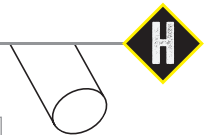
See page 21 for dust extraction systems.

Conversions:

2mm = 0.08"
3mm = 0.12"
4mm = 0.16"
180mm = 7"

Spark-Resistant Copper Beryllium

Available in 3mm flat tip only; for use in potentially hazardous areas.



Size	Description	Part #
3mm	Box of 12 needles	403.1312
3mm	Box of 19 needles	403.1319
3mm	Box of 28 needles	403.1328
3mm	Box of 49 needles	403.1349
3mm	Box of 100 needles	453.1310
3mm	Box of 500 needles	443.1307

Stainless Steel

Available in 3mm flat-tip form only, to be used in applications such as refurbishment of food processing machinery or areas of high humidity where the corrosive effect on needles would be prohibitive. Used on decorative concrete surfaces where contamination of the surface from carbon steel needle is undesirable.



Size	Description	Part #
3mm	Box of 100 needles	453.1207
3mm	Box of 500 needles	443.1207

Dust Collection Systems with HEPA Filtration

Dust Collection Systems with HEPA Filtration for power tools. Collect dust, concrete dust, drywall dust, coatings and more.

Combining CS Unitec's HEPA Dust Collection Vacuums with your power tools offers additional protection to operators. A Dust Collection System will help protect workers from hazardous dust created when drilling, sawing and grinding concrete, masonry and metal. Silica dust, paints, coatings and more can be hazardous to operators. **Users of this equipment should follow all OSHA and safety regulations.**



Concrete and stone drilling, grinding and sawing machines, when used with dust collection vacuums and accessories, offer additional protection to the operator. Users of this equipment should follow all OSHA and safety regulations.

Dust Collection Vacuums with HEPA Filtration

CS Unitec's dust extraction vacuums offer strong 130 CFM air flow and an electromagnetic pulse filter cleaning system to maximize vacuum power and dust collection.

- Ideal for use with power tools
- 99.999% HEPA filtration efficiency of particles down to 0.3 microns; automatic filter cleaning
- "Power Take Off" outlet activates the vacuum ON/OFF from the power tool switch
- Non-HEPA models available, 99.930% filtration efficiency
- Kit available to connect two power tools (P/N 198804)



CS 1225 H



Model CS 1445 H automatically "pulse" cleans filters without interrupting operation!



Activate vacuum on/off from power tool controls

Collect concrete, stone drywall and wood dust directly from tools

HEPA Vacuum Specifications

	CS 1225 H	CS 1500 H	CS 1445 H
Power	11 Amp	11 Amp	11 Amp
Air flow	130 CFM	130 CFM	130 CFM
Tank capacity	6.6 gal.	13 gal.	9 gal.
Weight	24.3 lbs.	35.2 lbs.	24.3 lbs.
Filter P/N (2pk.)	428956	428956	428956

Standard Vacuum Specifications

	CS 1225	CS 1500	CS 1445
Power	11 Amp	11 Amp	11 Amp
Air flow	130 CFM	130 CFM	130 CFM
Tank capacity	6.6 gal.	13 gal.	9 gal.
Weight	24.3 lbs.	35.2 lbs.	24.3 lbs.
Filter P/N (2pk.)	416069	416069	416069

Optional Filter Bags

Paper filter bags for CS 1225 and CS 1445 - P/N 416014 (5-pack)
 Plastic filter bags for CS 1225, CS 1445 and CS 1500 - P/N 421742 (5-pack)
 Paper filter bags for CS 1500 - P/N 416021 (5-pack)
 Slurry filter bags for CS 1500 - P/N 420592 (3-pack)

Cleaning Kit for CS 1225, CS 1500 and CS 1445 – P/N 063201
 Includes floor cleaning tool, crevice tool, 2 tubes and handle.

We make no claim that use of a vacuum will eliminate contaminants. Wear an approved respirator mask and follow all appropriate OSHA safety regulations for proper ventilation, dust handling, eye protection, etc. when using a dust extraction grinder and vacuum.



CS 1500



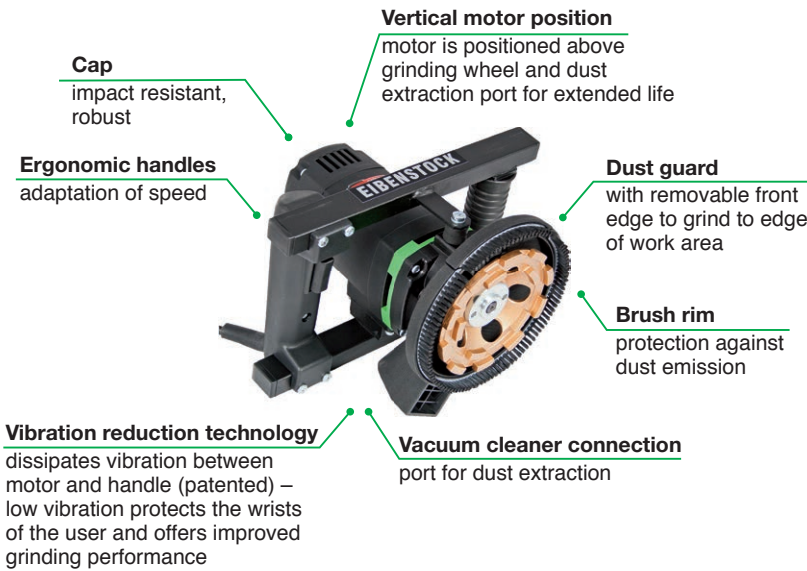
Water Recycling and Slurry Containment Vacuum available.
 See page 27 for more information.



Low-Vibration Hand-Held Grinders

CS Unitec's concrete grinders are powerful and efficient. The unique parallel grip design and vibration reduction technology provide more comfortable operation and even distribution of pressure on grinding disc. The use of a dust extraction vacuum with the dust guard and brush rim ensures a clean working environment and prolongs the life of the machine.

- Vibration reduction technology
- Remove paint, epoxy, glue and other hard coatings
- Smooth rough surfaces
- Clean concrete before applying new paint or coatings
- Collect dust for clean working area with a CS Unitec dust extraction vacuum



5" dia. EBS 125.5 D



5" dia. Heavy-Duty EBS 1802.1



7" dia. EBS 180 H



7" EBS 180 H with Walk-Behind Cart

Optional Walk-behind Carts:
for EBS 125.5 D - P/N 37210
for EBS 180 H - P/N 37217

Model No.	Motor Power (Amps)	Grinding Capacity	Load Speed (RPM)	Weight (lbs.)
Hand-Held Grinders				
EBS 125.5 D	14	5"	10,000	10
EBS 1802.1	16	5"	10,000	12
EBS 180 H	20	7"	9,500	18

Diamond Grinding Wheels

	General Use	Uncoated (clear) Concrete	PCD Grinding Wheel
for EBS 125.5 D	37114	37102	37115
for EBS 1802.1	37114	37102	37115
for EBS 180 H	37111	37112	37119



See page 21 for dust extraction systems.



Walk-Behind Grinders, 7" and 9"

CS Unitec's walk-behind concrete grinders are ideal for grinding and smoothing concrete, screed, tile adhesive, paint and other coatings.

EBS 235 – 9" Diameter

Powerful grinder for large areas

- Height-adjustable handle for operator comfort
- Detachable front edge of dust guard – for grinding directly to the edge
- Brush rim for collecting dust when connected to dust extraction vacuum

Model EBS 235

Power	23.7 Amp / 110 V
Disc Diameter	9"
Load Speed	1,700 RPM
Weight	84 lbs.

Diamond Plate/Inserts for EBS 235

9" Base Plate - P/N 37120000

Diamond Inserts (Gold) - P/N 37122 (5 pieces per set)

Diamond Inserts (Yellow) - P/N 37123 (5 pieces per set)

PCD Diamond Inserts (Black) - P/N 37121 (5 pieces per set)



Additional handle on the motor for easy transport

Attach to an industrial vacuum for cleaner work environment



EBS 180 F – 7" Diameter

With angle-adjustable floor guide for medium-sized jobs

- Height-adjustable handle for operator comfort
- Foldable front edge of dust guard – for grinding directly to the edge
- Brush rim for collecting dust when connected to a dust extraction vacuum

Model EBS 180 F

Power	20 Amp / 110 V
Disc Diameter	7"
Load Speed	8,500 RPM
Weight	23 lbs.

Diamond Grinding Wheels for EBS 180 F

7" dia. for concrete - P/N 37112

7" dia. for screed - P/N 37111

7" PCD grinding wheel - P/N 37119



EOF 100 Surface Milling Machine

High-power, lightweight machine for fine milling of varnish, paint, resins, coatings, solids and greasy dirt on wood, plaster, concrete and more

- Adjustable dust guard for milling directly to the edge
- Precise depth adjustment up to 1.0 mm for material removal without milling into the substrate
- Dust guard and flat front opening for milling close to edges
- Soft-grip, non-slip handle
- Electronic soft start, constant speed, speed reduction in case of overload and temperature/ overcurrent cut-off



Carbide milling disc for wood surfaces (P/N 37124)



PCD milling disc for concrete surfaces (P/N 37125)



Model EOF 100

Power	13 Amp / 110 V
Milling Head	4"
Depth Adjustment	0.1 mm to 1.0 mm
Load Speed	10,000 RPM
Spindle Connection	M 14 Male
Weight	7 lbs.

EPF 1503 Scouring & Scarifying Machine

Remove plaster, paint and coatings – and roughen surfaces

- Electronic soft start, constant speed, speed reduction in case of overload and temperature/overcurrent cut-off
- Adjustable guide ring for precise depth adjustment
- Brush rim allows high suction power for dust-free working by connecting an industrial vacuum
- Non-slip, soft-grip handle – less vibration



Model EPF 1503

Power	13.6 Amp / 110 V
Milling Head	5"
Depth Adjustment	0.02" to 0.16"
Load Speed	4,000 RPM
Spindle Connection	M 14 Male
Weight	10 lbs.

Dust Extraction Vacuums

See page 21

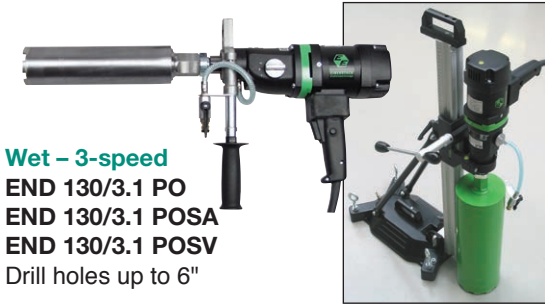


Wet and Dry Diamond Core Drills - Electric

Hand-Held and Rig-Mounted Core Drills

- Drill holes from 5/32" to 18" dia. in floors, walls and ceilings
- Fast drilling of reinforced concrete, concrete, brick, block and stone
- 5/8" and 1-1/4" standard thread connections
- Drills are equipped with a "slip clutch"
- Wet/dry models have dust collection port

Wet and Dry Diamond Core Bits are available for concrete, stone, asphalt and more. Contact us for details.



Wet – 3-speed
END 130/3.1 PO
END 130/3.1 POSA
END 130/3.1 POSV
 Drill holes up to 6"



END 130/3.1 POSV



Wet/Dry – 2-speed
ETN 2001 P
ETN 2001 PSA
ETN 2001 PSV
 Drill holes up to 4"



Wet/Dry – 3-speed
ETN 162/3 P
ETN 162/3 PSA
ETN 162/3 PSV
 Drill holes up to 6"

Model No.	Motor Power (Amps)	Drilling Diameter	Load Speed (RPM)	Weight (lbs.)*	Drill with Anchor Stand Model No.	Drill with Anchor Stand & Vacuum Pump Model No.
END 712 P	6.3	5/32" to 3/4"	0-8000	5	N/A	N/A
END 1550 P	13	1/4" to 2-5/8"	1800-4400	7	N/A	N/A
ETN 2001 P	15	up to 4"	0-800/0-1570	15	ETN 2001 PSA	ETN 2001 PSV
ETN 162/3 P	19	up to 6"	0-510/0-1150/0-2500	15	ETN 162/3 PSA	ETN 162/3 PSV
END 130/3.1 PO	15	up to 6"	600/1300/2800	16	END 130/3.1 POSA	END 130/3.1 POSV
DBE 160	18	up to 6"	700	34**	Included	N/A
EBM 352/3 P	24.5	up to 14"	230/500/1030	28	EBM 352/3 PSA***	EBM 352/3 PSV***
PLD 450 B	30	up to 18"	190/400/840	28	N/A	N/A

* Weight is for hand-held models only. Please contact CS Unitec for weight information on drill rig combinations.

** Weight is for the complete drill rig.

*** With spacer block – P/N 35827000

Note: Hand-held core drills are intended up to a max. of 3" dia. for hand-held drilling or up to 6" dia. with a stand.



1-speed
DBE 160
 Rig mounted
 Drill holes up to 6"



3-speed
PLD 450 B Motor
 Drill holes up to 18"

3-speed
EBM 352/3 P (motor only, for use with compatible stands)
EBM 352/3 PSA (anchor stand)
EBM 352/3 PSV (anchor vacuum stand)
 Drill holes up to 14"***

END 1550 P
 Ideal for stone, tiles, ceramic, porcelain, stoneware, glass, reinforced concrete and more
 Drill holes up to 2-5/8"
 1800-4400 RPM
 Swivel anchor stand available: BST 50V



END 712 P
 Mini Diamond Drill for tile, natural stone and concrete
 Drill holes 5/32" to 3/4"
 0-8000 RPM



Wet



Core Drill Rig for safer drilling in walls



- Ideal for higher-level drilling with hand-held drills
- Reduces risk of fatigue and accidents
- Simple assembly without tools
- Hydraulic foot-operated pump for easy height adjustment
- Equipped with casters for mobility at the job site

90-1/2" max. drilling height



EBW 2300

Working Height	57-1/2" to 90-1/2"
Collar Diameter	2-1/3" / 60mm
Weight	88 lbs.



Conveniently transport to the job site.

Optional Machine Arm



Core Drill Stands



360° swivel range

BST 50V
Anchor Stand,
17" high,
16 lbs.



BST 104/60V
Anchor Vacuum
Stand, 30" high,
21 lbs.



BST 162 V
Anchor Vacuum
Stand, 38" high,
31 lbs.



BST 300
Anchor Stand,
44" high,
45 lbs.



BST 300 V
Anchor Vacuum
Stand, 44" high,
50 lbs.

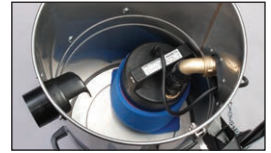
Water Containment Vacuum and Dry Core Drills



Water Recycling and Slurry Containment Vacuum

- Ideal for wet-working tools such as diamond core drills, tile saws and wet grinders
- Slurry and debris are contained in filter bag
- Continuous loop system returns clean water back into the vacuum for delivery back to the tool
- Can also be used as a regular wet/dry vacuum and to pump water from one location to another

Integrated sump pump can recycle or discharge water.



Two switches operate motor and pump independently.



Power socket for integrated sump pump.

CS 2000

Power	17 Amp, 115 VAC/60Hz
Water Capacity	7 gallons
Pump Output	78 GPM at ground level
Water Lift	18 ft. max. discharge height
Water Pressure	14.5 PSI (pump delivery)
Air Flow	150 CFM
Canister Volume	13 gallons
Canister	Stainless steel tank with cart
Dimensions	20.5" W x 21.6" L x 39.5" H
Weight	59 lbs.
Slurry Filter Bags	P/N 420592



Stainless steel canister can either be tilted (left) or lifted out of cart (right).



Large wheels, locking front casters, 26 ft. power cord and removable handle allow for easy maneuverability and transport.



Optional Equipment

- Slurry Filter Bags, 3-pack (420592)
- Paper Filter Bags, 5-pack (416021)
- Cleaning Kit – includes wands, hose, crevice tool and floor cleaning tool (072401)



CS 2000 shown with END 130/3.1 POSV Core Drill and Water Collection Ring.

Water Collection Rings

Part No. Description

3587A	Water Collection Trap Ring for BST 162 V
35879	Water Collection Trap Ring for BST 300 and BST 300 V
35849	Water Collection for Hand-Held Drilling (ETN 2001 P)
35847	Water Collection for Hand-Held Drilling (END 130/3.1 PO and ETN 162/3 P)
255.036	Water Collection for Hand-Held Drilling (2 1320, 2 1333, 2 1335 and 2 1317)

Hand-Held Dry Core Drills



EHD 1300
Drill holes up to 3-1/4"



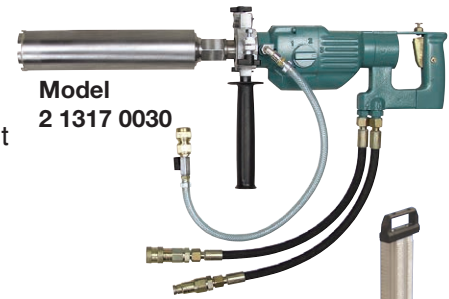
EHD 2000
Drill holes up to 5"

Model No.	Motor Power (Amps)	Drilling Diameter	Load Speed (RPM)	Weight (lbs.)
EHD 1300	12	up to 3-1/4"	0-2000	7
EHD 2000	15	up to 5"	0-1000/0-2000	13

Wet Diamond Core Drills - Hydraulic and Air

Hydraulic Core Drills

- Rugged 3-speed gearbox with mechanical slip clutch
- Ideal for heavy-duty wet drilling in concrete, reinforced concrete and asphalt
- Self-regulating oil flow control – required volume of 6 GPM; flow up to 13 GPM is automatically bypassed back to the tank
- Hose diameter: 1/2" ID Hose with 3/8" FF (HTMA) Couplings



Model
2 1317 0030



Model
2 1327 0010 SA

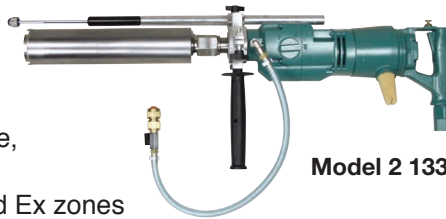
Model No.	Motor Power (HP)	Max. Drilling Dia.	Free Speed (RPM)	Connecting Threads	Oil Flow/ 2000 PSI	Weight (lbs.)	Stand
2 1317 0030*	3.6	6"	380/900/1800	1-1/4"x7 UNC Male 5/8"x11 UNC Male G 1/2" Female	6 GPM	16	N/A*
2 1327 0010 SA	4.2	12"	380/900/1800	1-1/4"x7 UNC Male G 1/2" Female Optional: 5/8"x11	6 GPM	69	Anchor Stand
2 1327 0010 SV	4.2	12"	380/900/1800	1-1/4"x7 UNC Male G 1/2" Female Optional: 5/8"x11	6 GPM	82	Anchor Stand and Vacuum Pump

Note: Hand-held core drills are intended up to a max. of 3" dia. for hand-held drilling or up to 6" dia. with a stand.

* For Drill Rig with Anchor Stand, Order No. 2 1317 0030 SA; for Drill Rig with Anchor Stand and Vacuum Pump, Order No. 2 1317 0030 SV

Pneumatic Core Drills

- Rugged 3-speed gearbox with mechanical slip clutch
- Ideal for heavy-duty wet drilling in concrete, reinforced concrete and asphalt
- Pneumatic power for hazardous areas and Ex zones



Model 2 1333 0010



Model 2 1328 0050 SA

Model No.	Motor Power (HP)	Max. Drilling Dia.	Load Speed (RPM)	CFM@ 90 PSI	Weight (lbs.)	Stand
2 1333 0010	2.1	3"	400/900/1600	77	18	N/A
2 1333 0010 SA	2.1	6"	400/900/1600	77	49	Anchor Stand
2 1333 0010 SV	2.1	6"	400/900/1600	77	51	Anchor Stand & Vacuum Pump
2 1335 0010	3.8	3"	300/700/1350	123	21	N/A
2 1335 0010 SA	3.8	6"	300/700/1350	123	52	Anchor Stand
2 1335 0010 SV	3.8	6"	300/700/1350	123	54	Anchor Stand & Vacuum Pump
2 1328 0050 SA	3.8	12"	300/700/1350	123	66	Anchor Stand
2 1328 0050 SV	3.8	12"	300/700/1350	123	72	Anchor Stand & Vacuum Pump

Note: Hand-held core drills are intended up to a max. of 3" dia. for hand-held drilling or up to 6" dia. with a stand.

Power Packs

Hydraulic Power Unit

Model P95

- Ideal for use with our hydraulic power tools
- Delivers 5 GPM or 8 GPM at 2000 PSI
- Easy to move with lift and latch handle
- Weighs 330 lbs.
- 18 HP gas engine



The Hydraulic Power Unit is available with gas, electric or diesel engines. Contact us for more information.

AirPac Dryer/Cleaner

Model CSAP-2

- Removes moisture and dirt from air lines; a float valve automatically ejects water and dirt
- Includes automatic oiler; protects tools from freezing in cold environments
- Eliminates air motor downtime caused by water and dirt
- Connections for two tools; max. air flow 185 CFM



Air Tool Lubricant

ProLube-ATL - P/N CS 7043-001 (gallon)

Air Tool Lubricant with Anti-Freeze

ProLube-ATL/AF - P/N CS 7049-001 (gallon)

Air Tool Line Conditioner/Cleaner

For use in underwater air tools – displaces moisture and inhibits rust and corrosion of air motors - P/N MS 9105 (quart)

Pneumatic and hydraulic: powerful percussion drilling for concrete and masonry

- SDS chuck
- Safety clutch protects against overloading and jamming
- Hammer drill holes in concrete, brick and masonry
- Rotary drilling mode for straight drilling of steel and wood
- Open center hydraulic standard, closed center optional



Air Model 2 2404 0010
SDS Plus up to 1" dia.

SDS Max – Modes of Operation

2" bit capacity for drilling concrete and masonry

Hammer with Rotation
Ideal for concrete drilling

Rotation Only
For drilling steel
and wood (not reversible)



Air Model 2 2417 0010
SDS Max



Hydraulic
Model
2 2418 0010
SDS Max

Second handle
position
SAE #8 port for
hydraulic hose
connection

SDS Plus – Hammer and Drill

1" bit capacity for drilling concrete and masonry

Drill concrete anchor holes, thru holes, piping and mechanical openings for construction and repair work. Switches to rotary drilling mode for steel and wood.



Hydraulic Model
2 2406 0010
SDS Plus

SAE #8
oil port

SDS Drill Bits



Small Masonry Bits
SDS Plus up to 1" dia.
Large Masonry Bits
SDS Max up to 2" dia.

Closed Center Flow Control Valve

Optional accessory – Part No. 38632



Hydraulic Pressure Reducing Valves

PRV Part No. 2 2406 9700 reduces output pressure of standard hydraulic power units from 2000 PSI (140 bar) to 1160 PSI (80 bar). Included with SDS Plus Hydraulic Hammer Drill 2 2406 0020 and SDS Max Hydraulic Hammer Drill 2 2418 0020.



Pressure Reducing Valve Part No. 2 2406 9900 reduces the output pressure of larger-output hydraulic units (i.e. backhoes, large earth tractors, excavators, service trucks, etc.) from max. 5075 PSI (350 bar) to 1160 PSI (80 bar) working pressure.

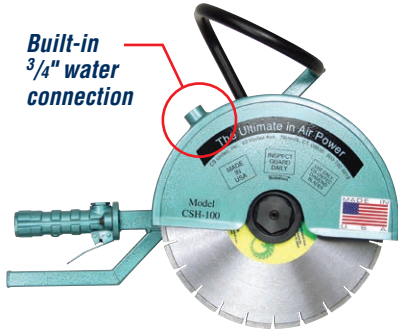
Pneumatic Hammer Drill Model No.	Blows/Minute (BPM)	Drill Speed (RPM)	Solid Bit Capacity (Concrete)	Core Bit Capacity (Concrete)	Twist Drill (Wood)	Motor Power (HP)	CFM @ 90 PSI	Tool System	Dimensions (inches)	Weight (lbs.)
2 1266 0010*	0-2000	0-950	1/2" dia.	1" dia.	3/8" dia.	0.75	21	1/2" Chuck	12 x 8 1/2 x 4	7
2 2404 0010	0-3000	0-625	1" dia.	3" dia.	3/4" dia.	0.7	21	SDS Plus	16 x 8 1/2 x 4	11
2 2404 0030*	0-3000	0-625	1" dia.	3" dia.	3/4" dia.	0.7	21	SDS Plus	16 x 8 1/2 x 4	11
2 2417 0010*	0-2500	0-250	2" dia.	6" dia.	1 1/4" dia.	1.6	53	SDS Max	19 1/2 x 9.8 x 4 1/2	26

* Underwater model – Optional underwater air tool line conditioner to displace moisture, Part No. MS 9105.

Hydraulic Hammer Drill Model No.	Blows/Minute (BPM)	Drill Speed (RPM)	Solid Bit Capacity (Concrete)	Core Bit Capacity (Concrete)	Twist Drill (Wood)	Power @ 1160 PSI	Flow Range @ 1160 PSI (GPM)	Tool System	Dimensions (inches)	Weight (lbs.)
2 2406 0010	0-3400	0-625	1" dia.	3" dia.	3/4" dia.	0.8 HP	5.8-13.2	SDS Plus	18 x 10 1/4 x 4	15
2 2406 0020	Same as above. Includes 2 2406 9700 Pressure Reducing Valve for 2000 PSI.									
2 2418 0010	0-2500	0-250	2" dia.	6" dia.	1 1/4" dia.	1.8 HP	2.6-13.2	SDS Max	19 1/2 x 11 1/8 x 7 1/2	37
2 2418 0020	Same as above. Includes 2 2406 9700 Pressure Reducing Valve for 2000 PSI.									

Hydraulic Hammer Drills operate at hydraulic pressures of 1160 PSI max. Pressure Reducing Valves are available to reduce pressure from 2000 PSI or 5000 PSI. See above. Available with optional closed center.

Pneumatic Concrete Saws – Hand-Held and Walk-Behind Cut concrete, asphalt, masonry and more



14" Cut-off Saw with diamond blade

Hand-Held Cut-Off Saws – 14" and 18"

- Wet or dry cutting of concrete, reinforced concrete, asphalt, masonry, steel and more
- Cut up to 7" deep with no gas or engine fumes
- Low maintenance – no belts, pistons, fuel lines or carburetors
- Accept diamond or abrasive blades
- Adjustable blade guard with built-in water connection
- In-line oiler for motor lubrication
- 1" arbor size, 1/2" NPT air connection

Model No.	Power	RPM (No Load)	Max. Depth of Cut	Max. Blade Capacity	CFM @ 100 PSI	Drive	Weight (lbs.)
CSH 100	5 HP	5250	4"	14"	90	Direct	22
CSH 125	9.5 HP	3200	5"	14"	92	Gearbox	26
CSH 150	9.5 HP	3200	7"	18"	92	Gearbox	28

Cut-Off Saw with 14" abrasive blade



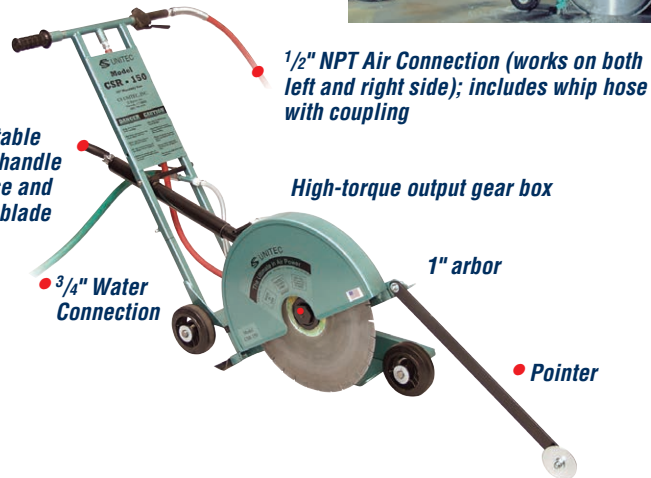
Walk-Behind Cut-Off Saw – 20" Capacity

- Wet or dry cutting of concrete, asphalt and other materials
- Cut up to 7" deep with no gas or engine fumes
- Low maintenance – no belts, pistons, fuel lines or carburetors
- Designed for tough cutting jobs, including joint sawing, floor sawing, trenching, road repair and plant maintenance
- 9.5 HP pneumatic motor with gearbox drive
- Rugged steel construction – yet only 107 lbs.
- Built-in water connection for wet cutting
- Built-in oiler for motor lubrication
- Optional water tank kit



Model CSR 150	
Power	9.5 HP
RPM (No Load)	2900
Max. Depth of Cut	7"
Max. Blade Capacity	20"
CFM @100 PSI	92
Drive	Gearbox
Weight	107 lbs.

Adjustable crank handle to raise and lower blade



1/2" NPT Air Connection (works on both left and right side); includes whip hose with coupling

High-torque output gear box

1" arbor

3/4" Water Connection

Pointer

Diamond Cut-Off Saw Blades Premium diamond blades for saws with 1" arbor

- Cut cured concrete
- Special blades for cutting asphalt, ductile iron and green concrete also available

Model No.	Size	Model No.	Size
734 906 (wet or dry)	12" x .125" x 1"	734 909 (wet or dry)	18" x .125" x 1"
734 908 (wet or dry)	14" x .125" x 1"	734 910 (wet or dry)	20" x .125" x 1"
734 916 (wet or dry)	16" x .125" x 1"	RES.403 (rescue)	14" x .125" x 1"

Concrete Saws

Diamond Concrete Chain Saws – Pneumatic and Hydraulic

Air Powered



- Specifically designed for the demanding requirements of professional sawing and drilling contractors
- Deep plunge cuts – up to 20" deep
- Square corners up to 19" with no overcuts
- Cut mechanical openings and irregular shapes
- Flat shaft drive system (no Trantorque)



Air

Model No.	Power (HP)	No Load Speed (RPM)	Max. Depth of Cut	Motor Specifications	Weight w/ Bar and Chain	No Load Torque (in.-lbs.)	Noise Level at 3 ft.
Pneumatic Concrete Chain Saw							
CS 536664-1	6.5	5700	10"	124 CFM @ 90 PSI (6 bar)	32 lbs.	104	88 dB
CS 536664-2	6.5	5700	15"	124 CFM @ 90 PSI (6 bar)	33 lbs.	104	88 dB
CS 536664-3	6.5	5700	20"	124 CFM @ 90 PSI (6 bar)	34 lbs.	104	88 dB
Hydraulic Concrete Chain Saw							
CS 566110-1	11	5700	10"	8 GPM @ 2500 PSI (172 bar)	28 lbs.	95	88 dB
CS 566110-2	11	5700	15"	8 GPM @ 2500 PSI (172 bar)	29 lbs.	95	88 dB
CS 566110-3	11	5700	20"	8 GPM @ 2500 PSI (172 bar)	30 lbs.	95	88 dB

AirFORCE F4™
Diamond Chains
 Optimized for air and hydraulic chainsawing – cut concrete with steel reinforcement

AirFORCE Premium Chains
 10" – Part No. CC 01-2540
 15" – Part No. CC 01-3810
 20" – Part No. CC 05-5080

Guide Bars with Internal Water Feed

10" Guide Bar, for 25 segment Diamond Chain - P/N GB 01-2540
 15" Guide Bar, for 29 segment Diamond Chain - P/N GB 03-3810
 20" Guide Bar, for 34 segment Diamond Chain - P/N GB 05-5080

PowerGrit Diamond Air Saw for Ductile Iron



The PowerGrit system allows the user to perform the entire cut from one position – a feature especially helpful in reducing the amount of excavation required in underground cuts.

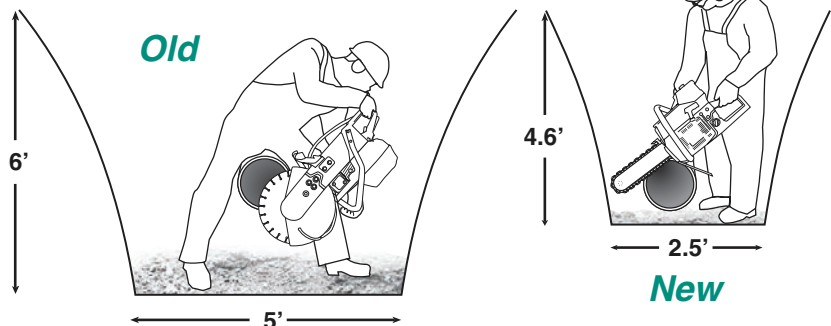
Model No.	Power (HP)	No Load Speed (RPM)	Max. Depth of Cut	CFM @90 PSI	Weight w/ Bar and Chain	No Load Torque (in.-lbs.)	Noise Level at 3 ft.
CS 536664-PG2*	6.5	5700	15"	124 CFM	32 lbs.	104	88 dB
CS 536664-PG3**	6.5	5700	20"	124 CFM	33 lbs.	104	88 dB

* For 15" PowerGrit Saw and Pipe Clamp – order no. CS 536664-PG2C
 ** For 20" PowerGrit Saw and Pipe Clamp – order no. CS 536664-PG3C

The PowerGrit Saw is also available with a hydraulic motor. Contact us for more information.

PowerGrit Chains and Clamp

15" PowerGrit Chain	P/N PG 52-3810
20" PowerGrit Chain	P/N PG 53-5080
PowerGrit Pipe Clamp (12" cap.; includes mounting axle)	P/N PG 56-9960





Wet/Dry 7" Electric Circular Saw

- Wet and dry cutting of stone and masonry materials, including granite, marble, terrazzo and concrete
- Adjustable cutting depth up to 2-1/2" for precise cuts
- Ideal for landscapers, renovators and stone shops
- Vacuum connection for use with CS Unitec's dust extraction vacuum systems (see pg. 21)

Model EDS 181

Power	20 Amp / 110 V
Blade Diameter	7"
Max. Depth of Cut	2 1/2"
Load Speed	4,300 RPM
No-Load Speed	7,500 RPM
Weight	17 lbs.
Blade (Included)	P/N 37443000

*Optional blade:
P/N 37444000 – 8" blade with 3" max. depth of cut*

Optional guide rail for precise cuts

*29" length – P/N 37461000
50" length – P/N 37462000*



Dust collection port for use with dust extraction systems



Miter adjustment up to 45° – no tools required

Wall Slotters

Cut channels and parallel grooves in walls and floors

- Cut channels in concrete and masonry
- Ideal for electricians, plumbers and other contractors
- Cut two parallel grooves up to 1¹³/₁₆" wide x 2²/₅" deep (Model EMF 180)
- Operates with two parallel blades and spacers
- Compact with parallel grips for easy handling
- Works 5/8" from the edge or corner
- Closed vacuum hood for efficient dust collection, optimal air flow and easy removal of fragments; vacuum hose lock
- Motor overload protection with optical overload indicator



EMF 180



EMF 150

Model No.	Power	Blade Dia.	Load Speed (RPM)	No-Load Speed (RPM)	Arbor Size	Maximum Slot Width	Maximum Milling Depth	Weight (lbs.)	Premium Blade Part No.
EMF 150	20 Amp, 110V	6"	4300	7500	7/8"	1-13/16" (46mm)	1-3/4" (46mm)	12.8	37441
EMF 180	20 Amp, 110V	7"	2200	3100	7/8"	1-13/16" (46mm)	2-2/5" (60mm)	16.5	37443



Standard Equipment:
2 premium diamond blades, carrying case and spanner wrench.

Dust collection port for use with dust extraction systems



5" Diamond Saw for Tile and Stone

**Model EDS 125
for wet/dry cutting**



- Wet and dry cutting of tile, natural stone and stoneware
- Stepless miter adjustments up to 45° – no tools required
- Roller guide smoothly guides saw and protects surface
- Adjustable cutting depth up to 1-3/8"
- Integrated water supply with flow regulator easily adjusts water volume for dust-free working while wet cutting
- Vacuum connection for use with CS Unitec's dust extraction vacuum systems (see pg. 21)



Integrated water supply with flow regulator



**Optional cutting table –
ETT 700 and ETT 1200 (see below)**



**Stepless mitre adjustments
up to 45° – without tools**



**Dust collection port
for use with dust
extraction systems**



**5" Diamond
Blade included
(P/N 3744B)
for wet/dry cutting**

Model EDS 125

Power	11.4 Amp / 110 V
Blade Diameter	5"
Max. Depth of Cut	1-3/8"
No-Load Speed	12,000 RPM
Arbor Size	7/8"
Weight	6.4 lbs.

Optional blades:

P/N 3744C – 5" Diamond blade for 1/4" milling, wet/dry

P/N 3744A – 4-1/2" Diamond blade for cutting curves, wet/dry

Cutting Tables for use with the EDS 125



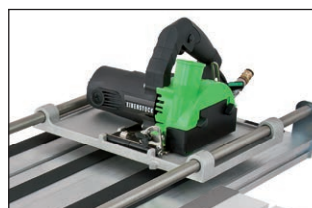
- Rust-proof, lightweight and easily transportable to the job site
- Precise cutting of tiles up to 3/4" thick with EDS 125 saw
- Adjustable angle stop for miter cuts up to 45°



Model:	ETT 700	ETT 1200
Max. Cutting Length	28"	47"
Weight	32 lbs.	39.7 lbs.

Easily transportable

**Quickly attach the
EDS 125 to the table
without tools**



Dust Extraction Vacuums

See page 21



Professional, Heavy-Duty, Hand-Held Mixers for Fast, Efficient Mixing

From self-leveling compounds to prefab mortar, CS Unitec has a portable mixer to do the job quickly. Every CS Unitec mixer has been designed for high reliability, with the power to provide optimum blending of construction materials on the job site.



EHR 18 S Set
Includes
WG 120
paddle



EHR 20.1 R Set
Includes
MG 140
paddle



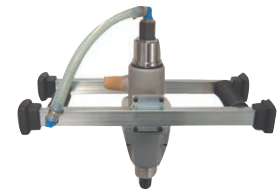
EHR 23/1.4 R Set
Includes
MG 160
paddle



EZR 22 R/RL
Push-Pull Mixer: Quick,
thorough mixing with
twin paddles and
clockwise/
counterclockwise
rotation

Model No.	Motor Power (Amps)	Load Speed (RPM)	Capacity	Max. Output	Weight (lbs.)	Suitable Paddles
EHR 18 S Set	9.5	0-450	2 bags/ 20 gal.	700 lbs./hr.	9	WG 120 MG 120 RG 120
EHR 20.1 R Set	10.5	250-580	3 bags/ 25 gal.	900 lbs./hr.	11.5	WG 135 MG 140 TWP 140
EHR 23/1.4 R Set	14.5	100-275	5 bags/ 35 gal.	1800 lbs./hr.	15	WG 160 MG 160 TWP 160
EHR 23/2.4 S Set	14.5	2-Speed 0-250/0-580	5 bags/ 35 gal.	1800 lbs./hr.	15	WG 160 MG 160 TWP 160
EZR 22 R/RL Twin Paddle	10.5	0-450	5 bags/ 25 gal.	1200 lbs./hr.	15	P/N 31610000 (included)

Pneumatic-Powered Mixers for Hazardous Environments








CS Unitec offers three air-powered models that are inherently safer for mixing paint, glue, epoxy, mortar, concrete, refractory cement and other materials in shipyards and the oil and gas industries. They can be used around water with no fear of shock or blown circuitry. [Contact us for details.](#)

Heavy-Duty Galvanized Steel Mixing Paddles

Helical design mixes from the bottom up, eliminating air pockets

- 14mm thread connection
- 24" paddle length

Low Viscosity	Medium Viscosity	High Viscosity	Fold & Stir	Overlays & Colored Products
 <p>RG 120 4.5" dia.</p>	 <p>WG 120 4.5" dia. WG 135 5.4" dia. WG 160 6.25" dia.</p>	 <p>MG 120 4.5" dia. MG 140 5.6" dia. MG 160 6.25" dia. MG 235 9.25" dia.</p>	 <p>MH 240 9.625" x 6.25" Ideal for decorative concrete coatings</p>	 <p>TWP 140 5.5" dia. TWP 160 6.375" dia.</p>

Mixing paddles with 1/2" hex shank available for standard drill chucks



Portable Mixing for Low- to High-Viscosity Materials

Reduce Dust While Adding and Mixing Low- to High-Viscosity Materials

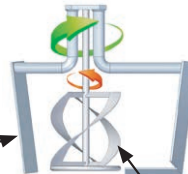


CS Unitec's TwinMix 1800 is ideal for mixing filler and leveling compounds, plaster and thin-bed mortars. Two contra-rotating paddles thoroughly combine compounds into a homogeneous, lump-free mixture.

- Dual mixing paddle with scraper reduces material deposits on the bucket rim and improves mixing efficiency
- Dust extraction port for connection to industrial vacuum
- Handles and large wheels for ease of mobility
- Transport cart and bucket can also be used with hand-held mixer
- Robust 2-speed, 15 Amp motor with very high pulling power – includes constant speed and overload protection
- Safety switch disables motor if hood is lifted during mixing
- Includes pouring cart for clean, accurate pouring – great for consecutive batch mixing

One motor – two paddles rotating in opposite directions

Scraper Paddle



Helical Rod



TwinMix 1800

Power	15 Amp / 110 V
Bucket Capacity	17 gal.
Helical Rod Speed	250/450 RPM
Paddle Speed	20/36 RPM
Weight	155 lbs.

Standard equipment includes motor on stand, mixing rod, mixing paddle, mixing bucket and pouring cart.



Pouring inlet tube and integrated dust extraction port reduce airborne dust while adding and mixing materials



Easily transportable with tires for rough terrain.



Included:
Pouring Cart with 4 wheels (P/N 32332000) designed for accurate pouring



Optional:
Big Wheel Cart with 2 wheels (P/N 32333000)



Portable Mixing Stands - Save time by running mixers independently

Model 25GP-WD

Designed for easy set up, with no clamping required. Has rear wheels for extra portability. Ideal for use with 5 gallon pails.

Size: H-35"
L-26"
W-14"
Weight: 64 lbs.



Model RST 92



Adjustable swing arm and variable height adjustment, allowing use with all pail sizes.

Size: H-65"
L-28"
W-20"
Weight: 69 lbs.



Portable Mixing Station

Mix, Transport and Pour Directly Onto the Floor!



Bowl Capacity:

6 x 50 lbs. mix + water
(23 gal./350 lbs.)

5 x 22 kg mix + water
(86 liters/160 kg)

Tilting Cradle:



Balanced for easy operation

The PORTAMIX® MEGA HIPPO features:

- Easy operation – one person can mix, transport and pour 6 bags or 23 gallons
- Accurately place material directly onto the floor
- Produces excellent mix consistency
- Ideal for mixing and dispensing into 5-gallon containers
- Pre-tinted material is easily blended
- Dust extraction port for vacuum connection



PORTAMIX® MEGA HIPPO Models and Specifications

	PMH 80F-RL Level Floors w/ Rimless Bucket and Removable Liner	Electric 110V* 15 Amp / 1800 Watt 2-Speed Motor
	PMH 80X-RL Rough Terrain w/ Rimless Bucket and Removable Liner	1st Gear: 140 RPM (Load Speed) 2nd Gear: 470 RPM (Load Speed)

Standard Equipment includes: mixing motor, bucket, removable liner and 2 paddles – TW225 for half batches (2-3 bags) and TW225D for full batches (5-6 bags) *220 Volt available

Removable Liner – PH 705

Multiple Batch Mixing with Removable Liner

Mixing multiple batches is easier and faster with the new, removable liner and rimless bucket system.

- Mix consecutive batches without downtime
- Resilient, pliable liner is easily cleaned
- Alternating liners prevents cross contamination
- Extends life of bucket

After mixing the first batch, the liner can be removed and cleaned. To speed up production, a second liner can be used while the first liner is being cleaned. The use of a liner also helps to prevent cross contamination and minimizes wear to the HIPPO bucket, extending its life.



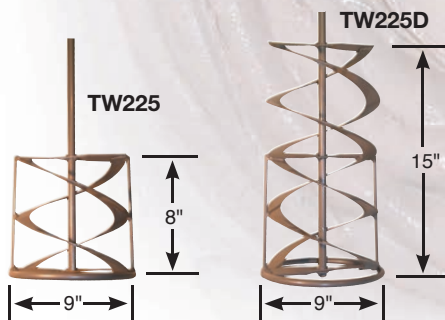
Control dust with HEPA vacuum system CS 1445 H

The HIPPO is also available with a Pneumatic-powered Mixing Motor

PMH 80F-AIR-RL; PMH 80X-AIR-RL:

2.2 HP, 90 PSI/67 CFM, 2 speeds (190/420 RPM)

The PORTAMIX® MEGA HIPPO is supplied with two mixing paddles:



TW225 – for half batches (2-3 bags); 9" diameter x 27" long; ideal for plasters, concrete, mortars, resins and tile adhesives. 8" long helix and side bars.

TW225D – for full batches (5-6 bags); 9" diameter x 27" long; ideal for self-leveling compounds, screeds, paints, plasters and epoxy. 15" long helix and side bars.

The 9" wide helix and side bars lift and shear the product quickly and efficiently to produce an excellent mix consistency and thorough mixing of colors and additives. The paddle's large 9" diameter provides increased peripheral speed which eliminates the need for high-RPM mixing and helps to prevent flash curing.

Pelican Cart with Canister



The **PORTAMIX®** Pelican Cart offers the user options to move and pour materials at the application area quickly and easily. The transport cart boosts productivity, lowers labor costs and reduces physical effort.



PMP80

- 360° maneuverability and large handle design for easy steering and transport of material
- Transport a full **PORTAMIX** load, eliminating the need to fill and carry individual buckets or containers
- Quick-release tilt lock
- Accurate, controlled dispensing
- Sturdy welded frame for heavy loads and long life
- Comes with 20-gallon canister for clean dispensing
- Heavy-duty casters

Cart dimensions: 26.75" L x 24" W x 42.75" H;
weight: 38.5 lbs.



Pelican Cart for use with MEGA HIPPO Mixing Stations

For uninterrupted mixing, use your MEGA HIPPO Portable Mixing Station as a stationary mixer and pour the mixed material into the Pelican Cart for transport to the application area.



Optional Accessory for the Pelican Cart PP600 – Hand-Held Mixer Clamp for Pelican Cart



Clamp attaches to the Pelican Cart frame to mount a hand-held mixer.



ELS 225.1

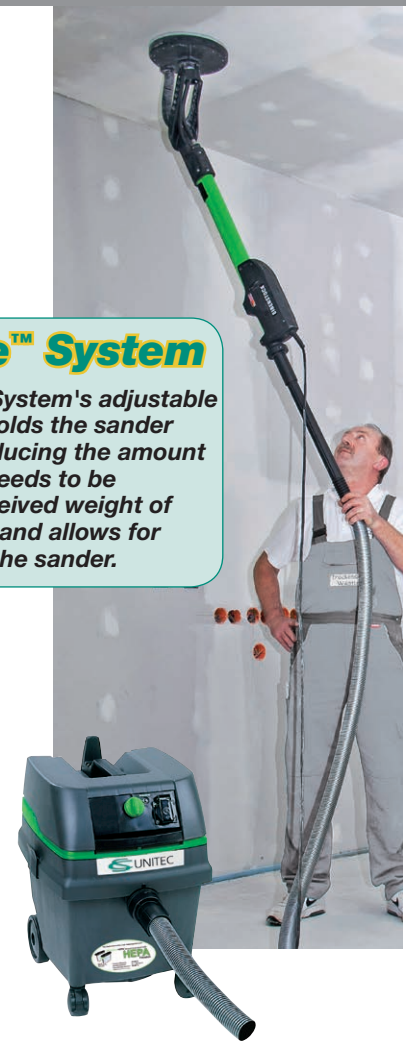
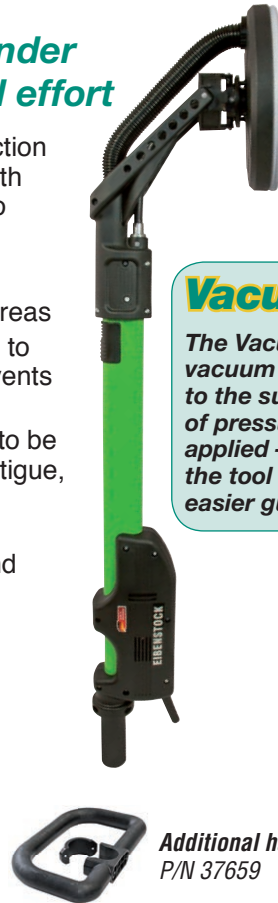
Long-reach, lightweight drywall sander with dust collection saves time and effort

The ELS 225.1 Drywall Sander with VacuGlide™ suction system prepares wall and ceiling seams with a smooth finish quickly, cleanly and with 60% less effort prior to painting, plastering or decorating.

- Extends up to 9 feet and easily adapts to angles
- 9" disc diameter is ideal for sanding large surface areas
- Spring-mounted dust shroud with sealing lip adapts to the surface, compensates for unevenness and prevents grooving when beginning to sand
- The handle's balanced, ergonomic design allows it to be guided for long periods of time with less operator fatigue, whether working on walls or overhead on ceilings
- Coupled with a dust extraction vacuum, dust-free sanding discs reduce airborne dust for a cleaner and safer working environment

VacuGlide™ System

The VacuGlide™ System's adjustable vacuum suction holds the sander to the surface, reducing the amount of pressure that needs to be applied – the perceived weight of the tool is 3.3 lbs. and allows for easier guiding of the sander.



Model ELS 225.1

Power	5.5 Amp / 230 V
Disc Diameter	9"
Variable Speed	1,050-1,160 RPM
Weight	10.8 lbs. / 3.3 lbs. perceived weight when in use with VacuGlide™ System

Adjustable suction strength and contact pressure for better guiding of the sander on the surface



Spring-mounted dust collection shroud adapts to surface and prevents grooving



Ideal for use with CS Unitec's CS 1225 H HEPA vacuum. See page 21 for more information.

Sanding Accessories

For ELS 225.1 and ETS 225 9" Drywall Sanders



Base Plate, 6-hole punch
P/N 37631



Rubber Foam Pad, 6-hole punch
P/N 37632





Sanding Grid, 6-hole punch
80 Grit, 10/pk, P/N 37610
120 Grit, 10/pk, P/N 37611



Sandpaper, 6-hole punch, Aluminum oxide, 24 grit,
10/pk. - P/N 37608

Sandpaper Assortment Pack, 6-hole punch, 5 pieces each:
Grits 80, 100, 120, 150 and 180
P/N 37640

	Part Number	
		
	Sanding Pad Perforated (10 pieces per pack)	Sandpaper 6-Hole Punch, Corundum (25 pieces per pack)
40 Grit	37672	37642
60 Grit	37673	37643
80 Grit	37674	37644
100 Grit	37675	37645
120 Grit	37676	37646
150 Grit	37677	37647
180 Grit	37678	37648
220 Grit	37679	37649

Drywall Sander, Plaster Smoothers & Board Sander

ETS 225

Lightweight and handy for tight spaces and small rooms

- Special dust hood with detachable segment allows sanding to the edge of the surface
- Motor is located above the sanding disc, away from dust, for longer tool life
- Coupled with a dust extraction vacuum, dust-free sanding discs reduce airborne dust for a cleaner and safer working environment
- Stepless speed control



Model ETS 225

Power	6 Amp / 110 V
Disc Diameter	9"
Load Speed	0-1,450 RPM
No-Load Speed	2,300 RPM
Plate Connection	Velcro
Weight	6 lbs.

For sanding accessories, see page 38.

Plaster Smoothing Machines

Smooth, scrape and clean plaster surfaces

- Stepless speed control
- 14-1/2" diameter disc for covering large surfaces
- Lightweight
- Balanced handles for easier gliding along the surface



EPG 400



EPG 400 WP

Model EPG 400 WP is equipped with water supply for moistening of the wall with an atomized spray.

Model EPG 400

Power	5 Amp / 110 V
Disc Diameter	14-1/2"
Load Speed	0-60 RPM
No-Load Speed	110 RPM
Plate Connection	Velcro
Weight	7.7 lbs.

Accessories for Plaster Smoothing Machines

- Base Plate (14-3/4" dia.) - P/N 37721
- Sponge Disc (15-3/4" dia.) - P/N 37722
- Sponge Rubber Disc (15" dia.) - P/N 37725
- Scraping Disc (15" dia.) - P/N 37726
- Sanding Disc (14-3/4" dia., 24 grit) - P/N 37727
- Scratching Disc (14-3/4" dia.) - P/N 37724
- Smoothing Disc (15" dia.) - P/N 37728
- Felt Disc (14-1/2" dia.) - P/N 37729

Insulation Board Sander

Sand foamed polystyrene and insulation

- Powerful, high-torque motor with stepless speed control
- Dust hood with brush rim, perforated sanding discs and dust extraction port allow for dust-free sanding when connected to industrial vacuum
- 14-1/2" diameter disc for covering large surfaces



*Sandpaper, 24 grit
4-hole punch -
3 pieces/pack
P/N 37671*



Model EWS 400

Power	7 Amp / 110 V
Disc Diameter	14-1/2"
Load Speed	0-85 RPM
No-Load Speed	140 RPM
Plate Connection	Velcro
Weight	8.5 lbs.

Model EWS 400 is supplied with one (1) 24 grit sandpaper

Also Available from CS Unitec

CS Unitec, Inc. specializes in industrial power tools and safety tools for construction and industry.

Innovation and high quality are synonymous with CS Unitec's power tools. In 1991, the company invented the first pneumatic portable band saw. CS Unitec has added to its list of industry firsts with the widest range of portable magnetic drills and hand-held concrete core drills. The line also includes surface preparation tools for metal, concrete and masonry, air, electric and hydraulic portable band saws, reciprocating saws, hack saws, nut runners, rotary hammer drills, rolling motors, non-sparking safety tools, portable mixers and dust extraction vacuum systems.

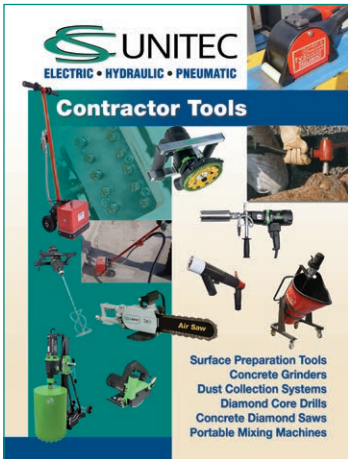
For tool specifications and ATEX and Ex Zone information, visit www.csunitec.com.

Call 1-800-700-5919 or 203-853-9522 to request any of the catalogs shown below.

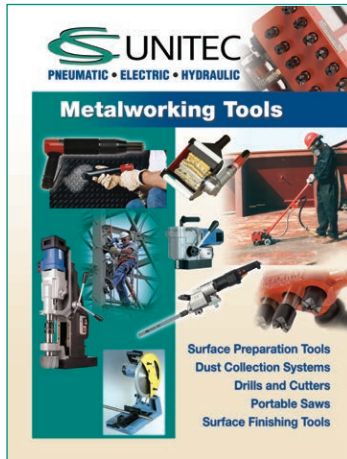
UNITEC ... the power of innovation!®



View demo videos at www.csunitec.com



Contractor Tools:
Surface Preparation Tools, Concrete Grinders, Dust Collection Systems, Diamond Core Drills, Concrete Diamond Saws and more



Metalworking Tools:
Surface Preparation Tools, Dust Collection Systems, Dry Cutting Portable Saws, Portable Magnetic Drills, Bridge Reamers and more



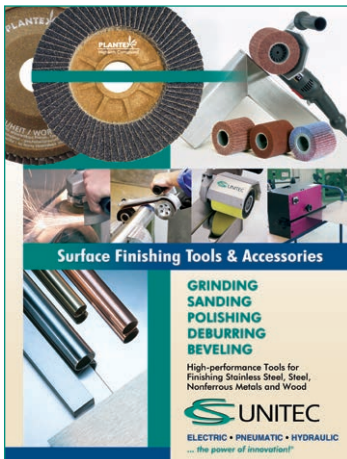
Portable Mixers:
Portable Mixing Machines for Mortar, Concrete, Plaster, Flooring Adhesives, Grout, Coatings, Paint, Self-Leveling Compounds and more



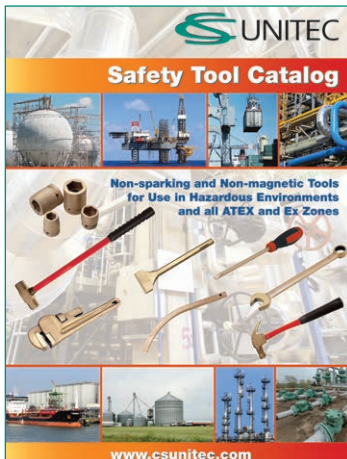
Portable Saws:
Hacksaws, Reciprocating Saws, Band Saws, Chain Saws, Cut-Off Saws and more



Portable Magnetic Drills:
Magnetic Drills & Accessories, Hand-Held Drills and Drive Units, Nut Runners, Hammer Drills and more



Surface Finishing Tools:
High-performance tools and accessories for grinding, sanding, polishing, deburring and beveling stainless steel, steel, nonferrous metals, wood and more



Non-sparking Hand Tools:
Non-sparking Hand Tools, Power Tools for use in Ex Zones, ATEX Zones and Hazardous Environments



Concrete & Masonry Tools:
Power tools for the professional contractor to drill, cut, grind and smooth concrete, masonry, wood, drywall and more - includes dust collection tool systems



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View product demonstrations at www.csunitec.com.

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE

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