





Outdoor Ceramics 2 cm, 3 cm and 5 cm Vitrified Porcelain 2021 | 1.0



### Marcrist - A Leader in Diamond Tools

Marcrist are a technology leader of diamond tools.

In a  $4\frac{1}{2}$  year R&D and development programme, Marcrist have pioneered professional diamonds and system solutions for cutting, grinding, drilling and dressing 2-5 cm vitrified porcelain paving (outdoor ceramics).

Because of its hard wearing properties; heat, frost, scratch, stain and discolouration resistant, vitrified 2 cm, 3 cm and 5 cm porcelain paving is rapidly replacing conventional outdoor surfaces.

The only issues with outdoor ceramics, until now, was its hardness and the associated difficulties and costs in cutting or drilling it.

We take pride in presenting the fruits of our R&D work. A range of diamond tools which make laying and working with vitrified paving as easy as working with conventional natural stone or concrete paving.

Marcrist diamonds and machinery are designed to make working with vitrified porcelain paving easy, quick and cost efficient.



### **Marcrist Guarantees**



We trust in our products and their performance, we would like you to do the same.

That is why we are offering the outstanding Marcrist Guarantee.

Test any of our outdoor ceramic and vitrified porcelain paving products with this guarantee seal for 30 days, put them through the toughest tasks. If you are not fully satisfied, you will get your money back. Guaranteed!



Lifetime Guarantee against manufacturing fault.

Register your machine online within 30 days of purchase to enjoy your lifetime guarantee against manufacturing fault.

### **Marcrist Technical Support**

### Need technical support?

Contact Marcrist and ask for 'Technical Support' for any questions or problems related to diamonds. Our team are experts, many with lifelong diamond knowledge. If we are unable to solve your problem over the phone, we will normally have an engineer on your site within 48 hours.



### Follow our journey

Keep up to date whilst you are on the go by following us on our social media channels! We provide updates on new product launches, events we are attending, top tips for your application needs and even giveaways. Plus, we would love to hear about your experience with Marcrist products, so follow us across our social media channels and make sure you post up your feedback.







Marcrist UK

### View us online

Can't find the information you're looking for in this brochure? Have a look at our website, we list all of our range online and where you can purchase it from at www.marcrist.co.uk



### Index

Machine & Blade Overview	Choose the best blade for your machine	Page 7 - 8
FZ850	Hand-held cutting with angle grinder / cordless angle grinder + cordless cut-off saws	Page 9
FZ550	Hand-held cutting with angle grinders, cordless angle grinder or cordless cut-off saw	Page 10
FZ850X	Hand-held cutting with petrol saws; Stihl, Husqvarna, Dolmar, Hilti etc	Page 11
FZ550X	Hand-held cutting with petrol saws; Stihl, Husqvarna, Dolmar, Hilti etc	Page 12
FZ850N	Cutting with bench table saws and bridge saws	Page 13
CK850	Cutting with bench table saws, bridge saws and tile saws	Page 14
FZ850C	Curve cutting	Page 15
TD850V / PG850 / PG850V	Diamond Drilling Overview	Page 17
TD850V	Outdoor Ceramics and Porcelain drill	Page 18
PG850	Outdoor Ceramics and Porcelain drill	Page 19 - 20
PG850V	Hole drilling for LED lights, downpipes, waste pipes, inspection and manhole covers	Page 21 - 22
FF750	Routing / hole adjusting enlarging	Page 23
Finishing Pads	Edge rectifying / chamfering	Page 24
Zuber	The ultimate precision	Page 25 - 26

Vitrified pavers are durable, scratch resistant and hard wearing, but can be extremely hard to cut...

# THE FZ FAMILIES ARE THE WORLD'S ONLY DIAMOND BLADES THAT CAN CUT THEM PRECISELY, ACROSS ALL TYPES OF MACHINES.

The FZ850 blades are designed for outdoor ceramics 2 cm, 3 cm and 5 cm vitrifield porcelain.

300 mm diameter & above, you must use water wherever possible if the machine facilitates it because:

- A) Health and Safety at work highlights the need for dust suppression
- B) Aids performance and life of the blade
- C) The premium porcelain material manufacturers insist on products being cut wet

### Marcrist - A Leader in Diamond Tools - Videos

Scan QR codes to take you to the associated videos and PDF'S.

### Laying vitrified porcelain



On sand and cement screed



Into the lawn

### **Cutting vitrified porcelain paving**



With your angle grinder, cordless angle grinder or cordless cut-off saw



With your petrol saw



With your bridge saw



With your table saw

### **Drilling vitrified porcelain paving**



Fixing hole drilling



Drilling holes for lights, downpipes & waste pipes

### Radius cutting vitrified porcelain paving



With your 115 mm / 125 mm / 230 mm angle grinder

### Edge rectifying / chamfering vitrified porcelain paving



With hand pads



With your angle grinder

### **Angle Grinders Cordless Angle Grinders Cordless Cut-Off Saws**



**Ultimate Pro** The best by far on the market

FZ850







All 2 cm porcelain



All 3 cm porcelain



All 5 cm porcelain



- No chipping
- Outstanding precision
- Exceptional long life
- Exceptional fast cut
- No wobbles
- Patented extra reinforced blade core for precision and safety
- Noise reduced

- Long Life
- Good cutting speed

- Precision cut

porcelain

Trade

FZ550

Ø 115 x 22 mm Ø 115 x 22 mm Ø 125 x 22 mm Ø 125 x 22 mm Ø 230 x 22 mm Ø 230 x 22 mm

### Petrol Cut-off Saws





**Ultimate Pro** The best by far on the market

FZ850 - X



High speed saw





All 2 cm porcelain



All 3 cm porcelain



All 5 cm porcelain



- No chipping
- Outstanding precision
- Exceptional long life
- Exceptional fast cut
- No wobbles
- Patented extra reinforced blade core for precision and safety
- Noise reduced

300 x 20 mm 350 x 20 mm





Cordless Angle

Grinders











### **Petrol Cut-off Saws**





Trade

### FZ550X



High speed saw





All 2 cm porcelain

- Lowest buying price
- Good precision
- Long Life
- Good cutting speed

### **Bridge Saws** Table Saws



**Ultimate Pro** The best by far

on the market

### CK850



The best by far on the market

### FZ850 - N

**Ultimate Pro** 





All 2 cm porcelain



All 3 cm porcelain



- Turbo Diamond Design
- Fast Cutting
- Ultra Thin







All 2 cm porcelain

All 3 cm porcelain



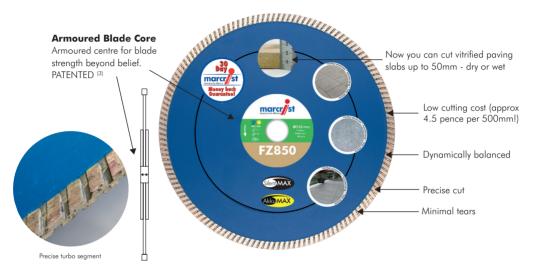
- Jointed Segments
- Outstanding Long Life

300 x 20 mm 350 x 20 mm 200 x 30 / 25.4 mm 230 x 25.4 mm 250 x 30 / 25.4 mm 300 x 30 / 25.4 mm 350 x 30 / 25.4 mm 300 x 30 / 25.4 mm 350 x 30 / 25.4 mm 8.

# FZ850 Special Blade for Outdoor Ceramics



The FZ850 is the world's **ONLY** blade to cut up to 5 cm vitrified paving slabs wet, dry, tear free and precise.



### FZ850 Blade for vitrified paving slabs/porcelain





### Why buy me

- Highest precision for vitrified paving slabs Precise cut Minimal tears
- Extremely fast Excellent cutting performance Lowest cutting costs

### Technology







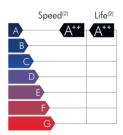








10mm (1)







All 3 cm porcelain porcelain porcelain

Part Number	Diameter	Bore	Price	Dry or Wet
1843.0115.22	115 mm	22.23 mm	£49.91	<u>→</u> か
1843.0125.22	125 mm	22.23 mm	£54.80	<u> </u>
1843.0230.22	230 mm	22.23 mm	£127.10	<u> </u>

### FZ550 Special Blade for Outdoor Ceramics and 2 cm Vitrified Porcelain



Leading innovation for precision cutting of 2 cm vitrified paving with your angle grinder, cordless angle grinder & cordless cut-off saw.



### FZ550 Blade for Outdoor Vitrified Porcelain Paving Slabs





10mm (1)

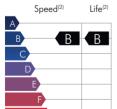
### Why buy me

- Precision cutting for vitrified paving slabs Precise cut
- · Good cutting speed · Long life

### Technology









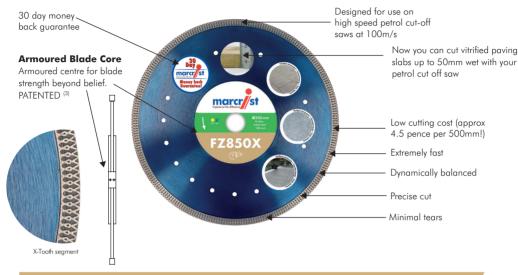
porcelain

Part Number	Diameter	Bore	Price	Dry or Wet
1844.0115.22	115 mm	22 mm	£12.50	<u> </u>
1844.0125.22	125 mm	22 mm	£14.50	<u>•</u> 1
1844.0230.22	230 mm	22 mm	£34.60	<u>•</u> *

# **FZ850X** Special Blade for Outdoor Ceramics and 2 - 3 cm & 5 cm Vitrified Porcelain



The FZ850X is the world's first high speed petrol cut-off blade to cut 2 - 5 cm vitrified paying slabs wet, tear free & precise.



### **FZ850X** Blade for Outdoor Vitrified Porcelain Paving Slabs

• Highest precision for cutting outdoor porcelain paving • Precise cut









Why buy me







• Extremely fast • Excellent cutting performance • Lowest cutting costs • Minimal tears













All 2 cm porcelain

All 3 cm porcelain

All 5 cm porcelain

Part Number	Diameter	Bore	Price	Dry or Wet
1843.0300.20X	300 mm	20.00 mm	£178.00	<u> </u>
1843.0350.20X	350 mm	20.00 mm	£210.00	<u> </u>

# **FZ550X** Special Blade for Outdoor Ceramics and 2 cm Vitrified Porcelain



Leading innovation for cutting 2 cm vitrified outdoor paving slabs on high speed petrol cut-off saws.



### **FZ550X** Blade for Outdoor Vitrified Porcelain Paving Slabs





10mm (1)

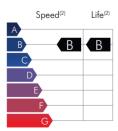
### Why buy me

- Wet precision cutting for vitrified paving slabs Precise cut
- Good cutting speed Long life

### Technology









orcoloni

Part Number	Diameter	Bore	Price	Wet
1844.0300.20	300 mm	20 mm	£70.90	<b>*</b>
1844.0350.20	350 mm	20 mm	£84.00	<b>*</b>

# **FZ850N** Special Blade for Outdoor Ceramics and 2 - 3 cm Vitrified Porcelain





Leading innovation for precision cutting outdoor paving slabs on professional table saws and bridge saws.



### **FZ850N** Blade for Outdoor Vitrified Porcelain Paving Slabs





### Why buy me

- Highest precision for vitrified paving slabs Precise cut Minimal tears
- Extremely fast Excellent cutting performance Lowest cutting costs

### Technology



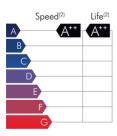








10mm (1)





All 2 cm All 3 cm porcelain porcelain

Part Number	Diameter	Bore	Price	Wet
1843.0300.30N	300 mm	25.4 / 30 mm	£194.00	*
1843.0350.30N	350 mm	25.4 / 30 mm	£229.00	1

(1)Segment heights can vary. Usable segments heights are an average 1.5-2.5mm less than the specified segment height. Marcrist reserves the right to change segment heights and specification without prior notification. (2)Product recommendations may vary according to user and/or machine and/or materials.

[3]CB Patent-No. CB2382544.

# **CK850** Special Blade for Outdoor Ceramics and 2 - 3 cm Vitrified Porcelain







### Problem cutting hard vitrified porcelain? Problem solved!

The best, fastest, longest life turbo tile blade with the lowest cost-per-cut you have ever used. Or your money back!



### CK850 Turbo Extreme Speed Tile Blad





• Extreme speed • Extreme long life • Lowest cost-per-cut • Turbo-Segment

### Technology:

Why buy me:













Speed<sup>(2)</sup> Life<sup>(2)</sup>

A

A

A

A

C

D

E

All 2 cm All 3 cm porcelain porcelain

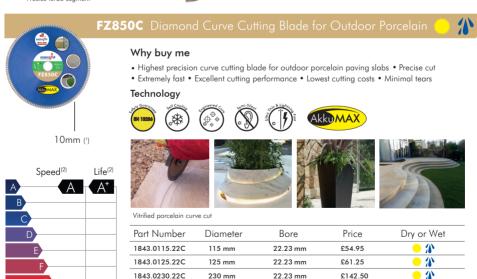
Part Number	Diameter	Bore	Price	Wet
1830.1200.30	200 mm	25.4 / 30 mm	£76.18	1
1830.1230.25	230 mm	25.4 mm	£103.79	1
1830.1250.30	250 mm	25.4 / 30 mm	£138.39	1
1830.1300.30	300 mm	25.4 / 30 mm	£146.43	1
1830.1350.30	350 mm	25.4 / 30 mm	£217.95	<b>1</b>

## **FZ850C** Special Blade for Outdoor Ceramics and 2 - 3 cm Vitrified Porcelain



The FZ850C is the world's first diamond blade for cutting curves and shapes in up to 3 cm outdoor porcelain paving slabs wet, dry, tear free and precise.





(1)Segment heights can vary. Usable segments heights are on average 1.5-2.5mm less than the specified segment height. Marcrist reserves the right to change segment heights and specification without prior notification. (2)Product recommendations may vary according to user and/or machine and/or materials.

(3)GB Patent-No. GB2382544.

# Notes

### **Diamond Drilling Of Outdoor Porcelain Paving**

Marcrist have developed cost efficient, high speed diamond drilling solutions for all types of outdoor porcelain paving slabs. Rotary only, without hammer, to prevent slab damage and chipping.

### Fixing hole drilling Ø 8 mm

- TD850V
- Fencing gates
- Glass partitioning and pool enclosures
- Stand-up lighting, etc.











### Through hole drilling:

Ø 6 mm – 36 mm - PG850 Ø 48 mm – 162 mm - PG850V

- LED lights
- Spotlights and uplighters
- Downpipes
- Waste pipes
- Inspection covers
- Manhole covers
- Flower troughs
- Special sizes available on request

















# **TD850V** Drills for Outdoor Ceramics and 2 - 5 cm Vitrified Porcelain



### The ideal drill for drilling fixing holes!

- Drilling Ø 8 mm fixing holes in seconds
- Self-centring, drills with pinpoint accuracy
- Works with all drills corded and cordless
- Drills 10 20 holes in 2 cm outdoor porcelain
- Drills without percussion to prevent chipping
- The perfect cost effective solution for users needing to drill only a limited number of holes
- Ideal rpm 1400 1500 rpm



### TD850V Drill for Drilling Fixing Holes

# TOBOOL

### Why buy me:

- The perfect tile drill for drilling fixing holes Self-centering
- Won't slip or scratch tiles



natural stone

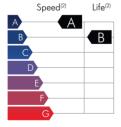
Porcelgin





All Tiles however hard





TD850V Pilot / guide hole drilling

Part Number	Diameter	Price	Wet
495.101.008	8 mm	£15.90	<b>*</b>

### PG850 Tile and Porcelain wet drilling



The ultimate tile and porcelain drill for frequent drillers!

- Perfect for drilling all tiles, granite and Porcelain hardness 5
- Extreme speed
- Extreme long life
- Perfect holes first time, every time!
- Works with all drills, professional drills, corded and cordless
- Extreme low cost-per-hole drilled



### **PG850** Ultimate Wet Tile Drill 1/2" x 20 UNF





### Why buy me:

- Extreme speed Extreme long life Perfect for professional everyday users
- Extreme lowest cost-per-hole

### Technology:













Granite Porc

Porcelain

All Tiles however hard

Part Number	Diameter	Price	Wet
490.001.006	6 mm	£54.00	₩
490.001.007	7 mm	£58.00	<b>*</b>
490.001.008	8 mm	£59.00	<b>₩</b>
490.001.010	10 mm	£64.00	₩
490.001.015	15 mm	£65.00	₩
490.001.019	19 mm	£69.00	<b>₩</b>
490.001.022	22 mm	£74.00	₩
490.001.026	26 mm	£77.00	₩
490.001.032	32 mm	£79.00	₩
490.001.036	36 mm	£84.00	<u> </u>

Drills more than **200** holes in outdoor 2cm porcelain

S	peed <sup>(2)</sup>	Life(2)
А	$A^{+}$	$A^{\dagger}$
В		
C		
D		
E	<b>—</b>	
	F	
	G	



### **PG850** Professional Starter Kit





### Contents include:

- Ø6mm **PG850** tile drill
- Water swivel with water connector
- Water bottle
- Universal drill guide
- 2m of 8mm water tube
- Core extraction kit for slug removal
- Spanners

Part Number	Diameter	Price	Wet	
490.001.004	PG850 Starter kit includes PG850 Ø6mm	£113.00	<b>*</b>	_

### PG850 Tile Drill Accessories

	Description	Part Number	Price
-	Water Swivel with ball valve and tap Connects to drill and allows flow of water to <b>PG850</b>	490.003.038	£35.00
neces st	3L Professional Water Bottle Robust 3L water bottle. Increased capacity means less re-filling & pumping. Comes with 2m x 8mm plastic tubing and shoulder strap	490.003.031	£29.00
35	Professional Steel Drill Guide. Robust steel construction for long life. Fits all sizes from Ø6mm - Ø112mm	490.003.030	£39.90
dis	Universal Drill Guide Fits sizes from Ø6mm - Ø80mm	490.003.003	£24.00
	Sharpening Stone Re-sharpens Tile drills	350.100.0006	£9.00
	PG850 Core Extraction Kit. For easy tile slug removal. Helps protect the delicate diamond crown and prolong the life of the drill	490.003.033	£12.90







### **PG850V** Through-Hole Diamond Drilling

PG850V Through-hole diamond drilling in outdoor porcelain paving slabs

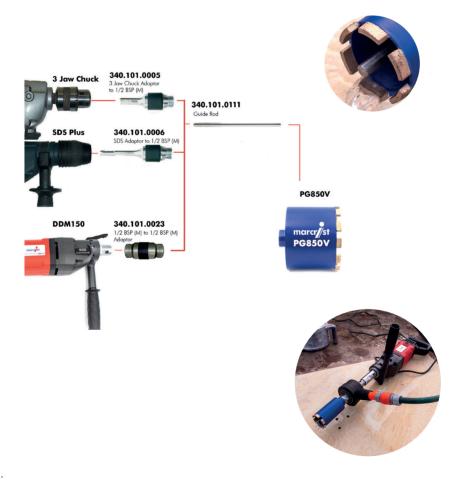
Drilling for LED lighting, uplighters, drainpipes and waste pipes is now easy.

No need to buy special machines ... use your existing machine.

PG850X drills razor sharp precision holes hand-held.

A  $\varnothing$  52 mm hole in 2 cm outdoor porcelain takes less than 15 seconds.

PG850X drills wet and must be used.....



# **PG850V** Drills For Outdoor Ceramics and 2 - 3 cm Vitrified Porcelain

- Easy to use hand-held Exceptional drilling speed Extreme low costs per hole drilled.
- Must be used wet Dynamically balanced for precision Can be used on any suitable drilling machine Takes merely 15 seconds to drill Ø 82 mm in 2 cm porcelain slabs.

### **PG850V** Diamond Drill for Outdoor Ceramics and 2 - 3 cm Vitrified Porcelain





Part Number	Diameter	Price	Dry / Wet
282.001.0048	48 mm	£59.95	*
282.001.0052	52 mm	£62.70	<b>%</b>
282.001.0060	60 mm	£67.80	*
282.001.0065	65 mm	£74.60	*
282.001.0072	72 mm	£79.70	<b>*</b>
282.001.0078	78 mm	£86.40	*
282.001.0082	82 mm	£104.80	*
282.001.0091	91 mm	£109.80	*
282.001.0102	102 mm	£115.30	*
282.001.0107	107 mm	£119.60	*
282.001.0112	112 mm	£129.90	*
282.001.0117	117 mm	£132.75	*
282.001.0127	127 mm	£148.50	*
282.001.0132	132 mm	£149.55	<b>*</b>
282.001.0152	152 mm	£159.75	*
282.001.0162	162 mm	£175.75	<b>*</b>

Description	Part Number	Price
Guide rod	340.101.0111	£15.76
Drift / Ejector key	350.101.0002	£3.23
Hex chuck adaptor	340.101.0005	£16.03
SDS + Adaptor	340.101.0006	£21.90

### FF750 Diamond Router



Precision high speed diamond router Ø 20 mm x M14 for angle grinders.

- Enlarging drilled holes to the perfect size
- Trimming / edge trimming
- Radius routing
- Fits all M14 angle grinders
- Easy to use
- Fast easy routing
- Self-sharpening
- Long life
- Can be used dry or wet





### FF750 High Speed Diamond Router

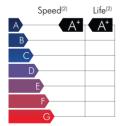


### Why buy me

- Ultimate precision Exceptionally Fast Long Life Low Costs
- Saves time and money







Part Number	Diame	eter	Price	Dry or Wet
2394.0020.M14	FF750	Ø 20 mm x M14 Diamond Router	£34.90	<del>。</del>

### Edge Rectifying - Hand-Held

### Edge Polishing Pads - for the professional finish.

Neaten the edge in seconds, simply passing the Diamond Edge Polisher along the edge provides that professional finish in seconds and prevents harm from sharp edges.

Available in 3 grits for the perfect finish from Fine Glass to Coarse Granite.



Using the Diamond Polishing Pad slide along the cut edge



The difference is clear to the eye

### Edge Rectification / Bevelling / Cutting Edge Repairs

### Coarse Grit #50



### Fine Grit #100



### Ultra Fine Grit #200





### 93(D) x 57(W) x 40(H) Providing a quality finish to:

• Vitrified Paving • Granite • Slate • Marble

### Description

Diamond Tile Edge Polishing Pad: Coarse

Part Number	11100	
490.003.053	£21.95	
490.003.033	£21.93	



### 93(D) x 57(W) x 40(H) Providing a quality finish to:

• Vitrified Paving • Granite • Slate • Marble

### Description

Diamond Tile Edge Polishing Pad: Fine

Part Number	Price
490.003.054	£21.95



### 93(D) x 57(W) x 40(H) Providing a quality finish to:

• Vitrified Paving • Granite • Slate • Marble

### Description

Diamond Tile Edge Polishing Pad: Ultra Fine

Part Number	Price
490.003.055	£21.95

### **Diamond Hand Pad Double Pack**



### **Diamond Hand Pad Treble Pack**





Take advantage of the twin pack containing:

- Coarse 50
- Medium Multi-Purpose 100



The complete set

- Coarse 50
- Medium Multi-Purpose 100
- Fine 200

Part Number	Price
490.003.056	£40.90

Part Number	Price	
490.003.057	£59.95	

### The "Rolls Royce" of Bridge Saws

For 45 years Zuber Germany has stood for world quality leadership in landscaping bridge saws.



• Rustproof –



Every Zuber/Marcrist saw is hot dip zinc galvanised and powder coated

• Ultimate Precision –



Stainless steel, maintenance free precision carriage for a cut precision of 2/10 of a mm

• Depth adjustment at the feed handle –



Perfection in every detail.

Everything is designed with ease of handling and precision in mind

• Precision mitre cut -





Ultimate cut precision, chip and tear free

• Precision plunge cut -





One man loading

Foldable legs and transport wheels ensure easy transportation

You can buy a new standard saw every 2-3 years ... or a Zuber every 20-30 years.

### STM1250 The Ultimate Precision Bridge Saw



- Sturdy, replaceable stainless steel guide rail 1250 mm cutting length
- Vibration and noise reduced Removable water tub with separate pump compartment



The image shows a diamond blade and a side table. These are not included with the machine but can be purchased separately.

rformance Data <b>STM1250</b>	
Power	2000 Watt
Blade diameter	300 mm
Blade bore	25,4 mm
Rotational speed	2750 rpm
Plunge cutting	Yes
Max. cutting depth	110mm
Double water flow	Yes
Replaceable stainless steel guide rail	Yes
Removable feet with height fine adjustment	nt Yes
Side table (optional)	Yes (230 x 170 mm)
Table size	1782 x 672 mm
Tool-free adjustments	Yes
Spindle-free cutting depth adjustment	Yes
Removable water tub	Yes
Separate pump compartment	Yes
Transport lock for cutting head	Yes
Size Length x width x height	1782 x 780 x 1200 mm
Total weight	111 kg
IP55 thermal protection RCCB	Yes
Vibration and noise reduced	Yes
Part Number	
8044.001.003	Contents include: <b>STM 1250</b> stone cutting machine.





















### • Technical Advice • Technische Beratung • Service Technique

 UK
 T: +44 (0)1302 890 888
 E: info@marcrist.com
 AT
 T: +43 (0)1310 13 14
 E: info@marcrist.at

 DE
 T: +49 (0)7741 966 720
 E: info@marcrist.de
 FR
 T: +33 (0)389 29 28 11
 E: info@marcrist.fr

CH T:+41 (0)41 630 25 43 E: info@marcrist.ch



Scan to visit: www.marcrist.com

