



**Vincent**<sup>®</sup>  
 TOOLS FOR QUARTZ INDUSTRIES

**SURFACES GROUP**

YOUR PARTNER  
 IN **STONE INDUSTRY**

Tools & Solutions

**Surfaces Group**  
 Absolute finishing

NATURAL **STONE** ENGINEERED FABRICATOR



more brands  
one group



BUSINESS UNIT  
**CERAMICS**

Filiali dirette  
Direct subsidiaries

10

Settori chiave  
Key sectors

5

Siti produttivi  
Production sites

12

Dipendenti  
Employees

900

Paesi serviti  
Countries served

70

# Surfaces Group

Absolute finishing

Surfaces Group è leader italiano nel mondo per la produzione di soluzioni integrate per tutte le lavorazioni di finiture di ceramica, pietra, marmo, vetro, agglomerati, anticipando le tendenze future e offrendo soluzioni complete grazie alla sinergia di marchi di eccellenza che rappresentano il meglio del Made in Italy:

Surfaces Technological Abrasives, ADI, NoCoat, International Chips, Luna Abrasiv, RBM e Vincent.

## MADE IN ITALY

Knowhow tecnologico, alta qualità delle materie prime e innovazione al servizio al cliente.

## PRESENZA INTERNAZIONALE

Operiamo direttamente per essere autentici partner.

## TECNOLOGIA E INNOVAZIONE

Studio di nuove soluzioni anticipando le esigenze di un mercato in continua evoluzione.

## SOLUZIONI TAILOR-MADE

Eccellenti finiture su ogni tipologia di materiale studiate su misura grazie ad una ricerca costante.

*Surfaces Group is Italian leader worldwide in the production of integrated solutions in finishing processes for ceramics, glass, stone, engineered stone, keeping ahead of future trends and offering complete solutions, thanks to the synergy of brands of excellence representing the best of Italian output: Surfaces Technological Abrasives, ADI, NoCoat, International Chips, Luna Abrasiv, RBM, Vincent.*

## MADE IN ITALY

*Technological know-how, high quality raw materials and innovation to our customers service.*

## INTERNATIONAL PRESENCE

*We operate directly enabling us to be an authentic partner.*

## TECHNOLOGY AND INNOVATION

*The research of new solutions, anticipating the needs of a continuous evolving market.*

## TAILOR-MADE SOLUTIONS

*Excellent finishes for any type of material, tailor-made thanks to constant research.*

TECNOLOGIA ITALIANA  
INNOVAZIONE  
KNOW-HOW  
RICERCA  
ESPERIENZA  
PRESENZA MONDIALE  
SOLUZIONI PERSONALIZZATE

ITALIAN TECHNOLOGY  
INNOVATION  
KNOW-HOW  
RESEARCH  
EXPERIENCE  
WORLDWIDE PRESENCE  
CUSTOM SOLUTIONS





Dal 1974 VINCENT produce utensili diamantati per il taglio, la molatura e la levigatura di pietra naturale, agglomerato, vetro e piastrelle in ceramica. La nostra organizzazione, che comprende siti produttivi in Italia e in Asia, conta attualmente oltre 300 risorse altamente qualificate e una presenza commerciale in oltre 70 paesi, servendo più di 1400 clienti in tutto il mondo.

## LA NOSTRA MISSIONE: ESSERE SEMPRE AL TUO FIANCO

I nostri clienti ci riconoscono per la qualità e la costanza delle prestazioni dei nostri utensili. Questo riconoscimento è frutto di un percorso che ci vede impegnati da oltre 50 anni nella ricerca di soluzioni tecniche avanzate per elaborare prodotti innovativi e performanti. Più che fornitori ci piace definirci partner, parte attiva nel processo produttivo del cliente. Accompagniamo il cliente nell'applicazione, per aiutarlo nella definizione dell'utensile più adatto alle sue esigenze. L'obiettivo è ottenere la migliore soluzione possibile per la gestione del processo produttivo del cliente.

*VINCENT has been a leading manufacturer of diamond tools since 1974: tools that are used for cutting and grinding, as well as polishing natural stone, quartz agglomerate, glass and ceramic tiles. Our organization, which includes production sites in Italy and Asia, currently counts over 300 highly qualified employees and a sales force present in over 70 countries, serving more than 1400 customers around the world.*

## OUR MISSION: TO ALWAYS BE AT YOUR SIDE

*Our customers value us for the quality and consistency in the performance of our tools. This recognition is thanks to our quest over the past 50 years to find advanced technical solutions to develop innovative and performance geared products. More than just a supplier, we like to distinguish ourselves as partners, an active part of our clients' production process. We work together with our customers to apply and help define the tool most suited to their needs. The goal is to get the best possible solution to manage the customer's entire production process.*



STONE





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**Vincent**<sup>®</sup>  
TOOLS FOR QUARTZ INDUSTRIES

SURFACES GROUP

## COMPETENCE & EXPERIENCE

### PROFESSIONAL PARTNER ON EQUAL TERMS

In all business development stages, VINCENT always places the customer at the centre of its activities.

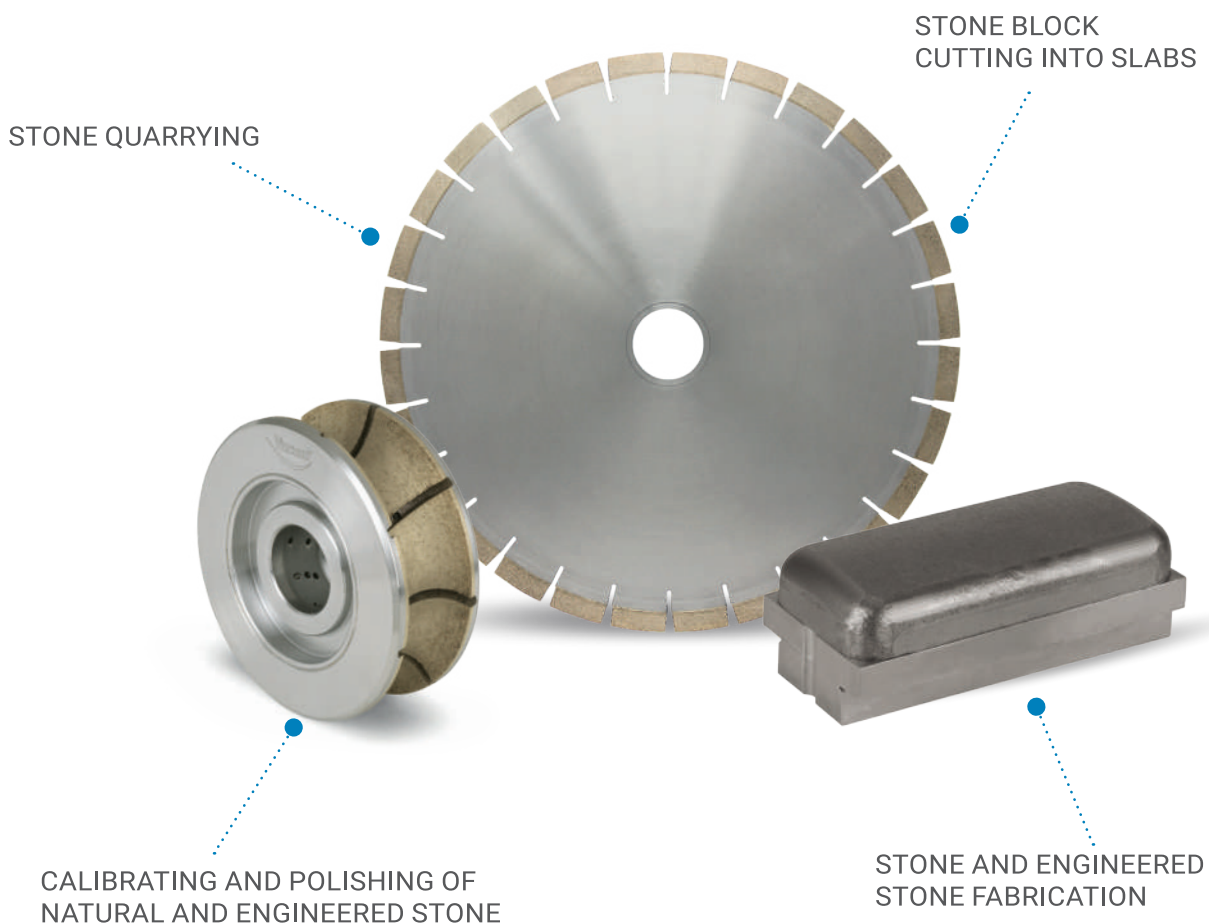
An experienced team of application engineers is available to our customers throughout the world and works to produce the most economically efficient solutions.

The name of VINCENT is synonymous with innovative

products and tool quality at the highest possible level.

In our Department we are constantly working on new and innovative products, aiming to make our customers' future processes even more efficient for the infinite range of materials processing in all stone applications.

## A GLOBAL PARTNER FOR ALL APPLICATIONS IN THE STONE INDUSTRY AND FABRICATION





## MILESTONES FOR STONE INDUSTRY

Innovation leadership can only be achieved by constantly coming up with something new that serves the whole branch. VINCENT has always played leading role in the Stone Industry, bringing many innovations in the market.

In Stone Industry VINCENT plays an active role in developing innovation and the impressive milestones show it in the daily work of the customers all over the world.



### 1988

Metal bond diamond fickerts cause a revolution in the polishing of granite by increasing productivity and reducing processing costs.



### 1990

VINCENT introduces metal bonded diamond profiling tools with continuous rim for profiling edges of granite on CNC machines.



### 1995

Calibrating rollers with packed discs on either fixed or rotating heads, set a new standard in the natural and engineered stone industries.



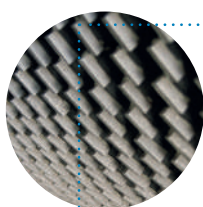
### 2004

New design of metal bond diamond fickerts with continuous diamond layer and specific geometry grants an excellent finishing of slab surfaces in granite and engineered stone.



### 2006

WINNER CNC polishing wheels are the first to grant a perfect finish with no need of additional hand buffing.



### 2011

Multilayer segments for circular saw blades customers need speed and high productivity. Multilayer segments guarantee ultra fast cutting of hard stones.





# STONE QUARRYING



## DIAMOND WIRE FOR GRANITE QUARRIES

In collaboration with customers, machine operators and leading machine manufacturers VINCENT has revolutionized existing performances in terms of cutting speed and also lifetime.

VINCENT quarry wires impress with long lasting rubber assembly.

VINCENT offers an easy handling multipurpose wire with black rubber with various bead size and thicknesses.



Vulcanized quarry wire with universal shape and black rubber

### TECHNICAL DATA

BEAD DIAMETER	ASSEMBLY	NO. OF BEADS
11,5 mm	Rubber	40 b/m
12,0 mm	Rubber	40 b/m
12,5 mm	Rubber	40 b/m





## DIAMOND WIRE FOR MARBLE QUARRIES

For a wide range of marbles and limestones VINCENT has developed 2 different types of beads:

### ELECTRO PLATED BEADS:

- For very compact and non abrasive marbles; fast cutting and block dressing



### SINTERED BEADS:

- Diameter 10.3 mm for fast cutting and/or low powered machines
- Diameter 11.3 mm for abrasive marbles and high lifetime



## TECHNICAL DATA

BEAD DIAMETER	ASSEMBLY	NO. OF BEADS
10,3 + 11,3 mm	Plastic & springs	28, 30, 32, 37 b/meter
10,3 + 11,3 mm	Plastic	28, 30, 32, 37 b/meter
10,3 + 11,3 mm	Spring assembly	from 26 to 32 b/meter



Spring assembled marble wire with sintered beads



Plastic assembled marble wire with sintered beads

The plastic and the reinforced plastic with springs assembled wire for marble stands for high safety and allows high pulling forces in order to increase the cutting speed.





# NATURAL STONE BLOCK CUTTING INTO SLABS



## DIAMOND WIRE FOR STATIONARY MACHINES

VINCENT products cover the whole range of wires for marbles and granites; the spring and plastic assembly protects the wire even when the slabs move.

### TECHNICAL DATA

MATERIAL	APPLICATION	RECOMMENDATION	DIAMETER	NO. OF BEADS	ASSEMBLY
Granite	slab cutting	universal	11,2 mm	37	plastic
	slab cutting	reinforced assembly	11,2 mm	37	plastic & springs
	profiling	universal	11,2 mm	37	plastic
	slab cutting	universal	9,0 mm	37	plastic
	slab cutting & profiling	universal	8,3 mm	37	plastic
Marble	slab cutting	compact marble & limestone	10,3 mm	28	plastic & springs
	slab cutting	abrasive marble & travertine	11,3 mm	28	plastic & springs
	slab cutting	electroplated	10,6 mm	28	plastic & springs
	slab cutting & profiling	compact marble & limestone	8,3 mm	33	plastic
	slab cutting & profiling	abrasive limestone & marble	8,3 mm	33	plastic
	slab cutting & profiling	electroplated	8,5 mm	32	plastic & springs
Sandstone	slab cutting	compact sandstone	11,3 mm	37	plastic & springs
	slab cutting	grit stone	11,2 mm	40	plastic & springs
	slab cutting & profiling	compact sandstone	8,3 mm	37	plastic
	slab cutting & profiling	grit stone	9,0 mm	37	plastic



Reinforced assembled wire with plastic and springs



Sintered wire with plastic assembly





## DIAMOND WIRE FOR MULTIWIRE MACHINES

VINCENT multi wires are either supplied open or as endless loops and are all sharpened mechanically to secure easy starting on all kind of granites.

VINCENT wire can be used to the end of its life without the need for replastification

### TECHNICAL DATA

BEAD DIAMETER	ASSEMBLY	NO. OF BEADS
7.3 mm	plastic – open	37
8.3 mm	plastic – open	37
6,3 mm	plastic - endless	37
7,3 mm	plastic - endless	37
8,3 mm	plastic - endless	37



Plastic assembled wire



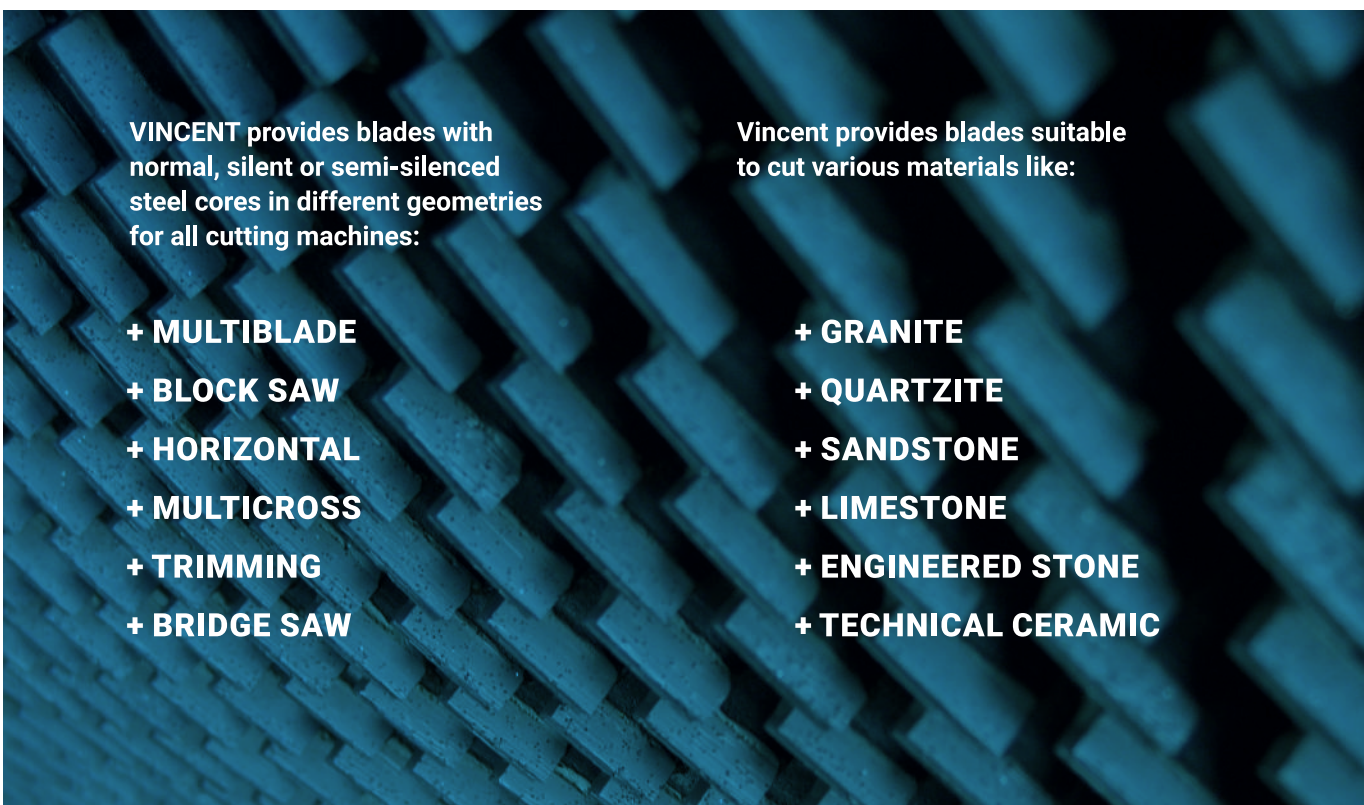
## NATURAL STONE BLOCK CUTTING INTO SLABS

### DIAMOND CIRCULAR BLADES

The different stones pose enormous challenges in terms of quality of the cutting tools used.

Each material has its own particular hardness and abrasive properties and the cutting tool has to meet the different characteristics of the material, machine and application.

Our team of experts from the technical and R&D Departments are constantly working on bond and diamond development to satisfy specific client requests in terms of cutting quality, speed and life time of circular blades.



VINCENT provides blades with normal, silent or semi-silenced steel cores in different geometries for all cutting machines:

- + MULTIBLADE
- + BLOCK SAW
- + HORIZONTAL
- + MULTICROSS
- + TRIMMING
- + BRIDGE SAW

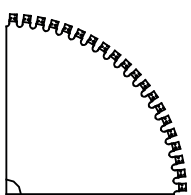
Vincent provides blades suitable to cut various materials like:

- + GRANITE
- + QUARTZITE
- + SANDSTONE
- + LIMESTONE
- + ENGINEERED STONE
- + TECHNICAL CERAMIC

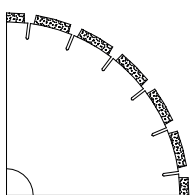
Today the stone industry is focused on productivity like never before. Fast cutting and the high quality of finish are the primary needs of customers.

Research has allowed VINCENT to develop different formulations for multilayer segments, which give several benefits.

#### TYPE OF BLADE FOR BLOCK SAWS



C1 wide slots



C2 narrow slots

#### MULTILAYER SEGMENTS BENEFITS

- Fast and easy cutting
- Lower noise compared to standard segments
- Low amps absorption

## NATURAL STONE BLOCK CUTTING INTO SLABS

## TECHNICAL DATA

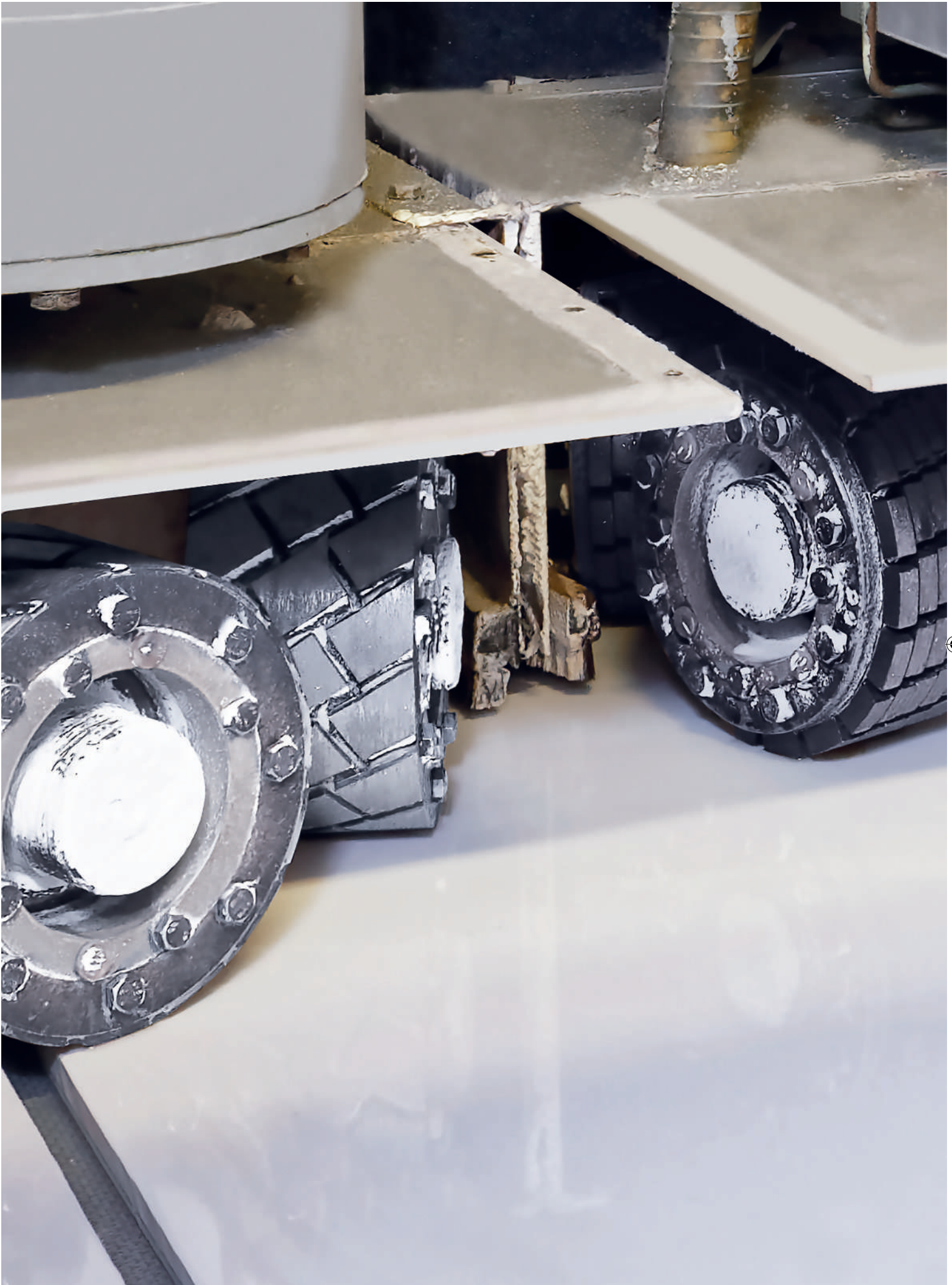
Blades	Ø (mm)	Segment Shape	Segment Type	Application machine	Material
C1	900 - 1600	conic	sandwich multilayer	multiblade	granite
C2	900 - 1600	conic / parallel	sandwich multilayer	block saw	granite / marble sandstone
C1	1600 - 3500	conic / parallel	sandwich multilayer	block saw	granite / marble sandstone
C2 - C2P	300 - 850	conic / parallel	normal / sandwich multilayer	bridge saw / trimming multicross cutting horizontal cutting	all
C2L	350 - 500	parallel	normal	bridge saw / trimming multicross cutting	marble engineered stone
C8I	300 - 350	-	normal	bridge saw / trimming multicross cutting	marble engineered stone
C2J	350 - 625	turbo	normal	bridge saw	marble

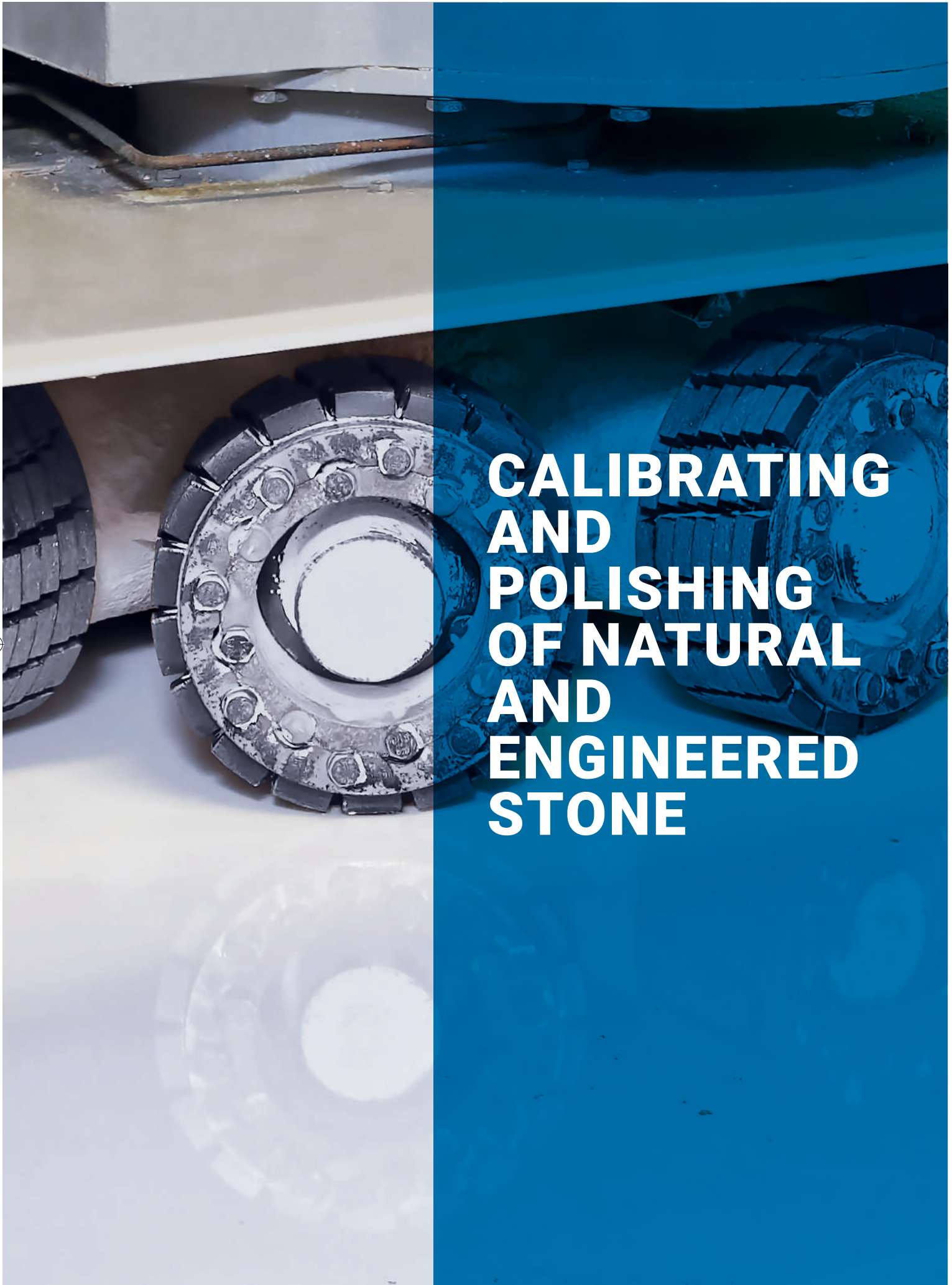
## DIAMOND GANG SAW BLADES

Marble, limestone and sandstone can be cut into slabs with different thicknesses or into square blocks using the diamond gang saw blades. For each material VINCENT provides the best technical solution:

- Extremely clean, precise cut
- High cutting speed
- Specific segments to ensure optimum efficiency







**CALIBRATING  
AND  
POLISHING  
OF NATURAL  
AND  
ENGINEERED  
STONE**



## DIAMOND TOOLS FOR SURFACE CALIBRATION

Over 40 years of experience make VINCENT the market leader in surface calibration of natural and engineered stone. Today clients are focused on process efficiency like never before. Calibrating and polishing processes in particular pose enormous challenges in terms of the quality of tools used. Thus the calibrating tool set up must be perfectly tailored to

the individual customer requirements of productivity, removal capacity and line speed for a range of different materials. Our team of experts from the technical and R&D Departments are working constantly on bond development, diamond composition and different tool geometries in order to resolve specific client requests and continuously improve our range.

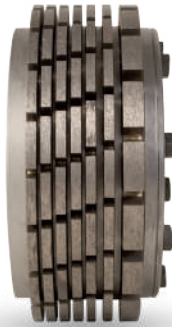


## CALIBRATING AND POLISHING OF NATURAL AND ENGINEERED STONE

### ROLLERS ON ROTATING HEADS

#### ENTERING CALIBRATION

Specifically designed for positions 1 and 2 of the 1st calibrating machine. It allows a lower positioning of the head compared to standard rollers due to its excellent cutting capacity. Entry thickness variations do not any more slow down production speed by using these rollers.



#### CALIBRATION

It's the newest design and development to guarantee process efficiency like never before: high calibrating speed, remarkable energy cost saving, very long lifetime. This roller, available in different specifications, ensures the main part of the calibrating process.



#### PRE-FINISHING

This roller can be used before the finishing one to improve the surface quality and roughness of slab after calibration. It allows also a lifetime improvement of the finishing roller.



#### FINISHING

It's the finishing roller. Even if it continues the calibrating process, the hexagonal design of the diamond layer grants the best finish of the slab before polishing. Various grits are available to meet customer needs in terms of surface quality of the slab at the end of calibrating process.



### SPIRAL ROLLERS & CALIBRATING PLATES

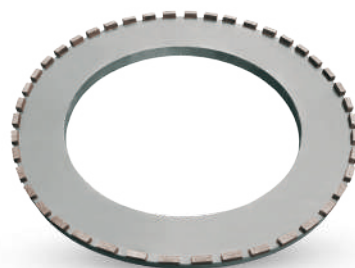


#### SPIRAL ROLLERS

Diamond calibrating tool with spirals for calibrating and grinding natural stone.

The sequence of diamond grits ensure a high stock removal rate and excellent fine grinding.

Various geometries are available for all sizes and machine types.



#### CALIBRATING PLATES

Diamond calibrating tool for calibrating and grinding marble and soft natural stone.

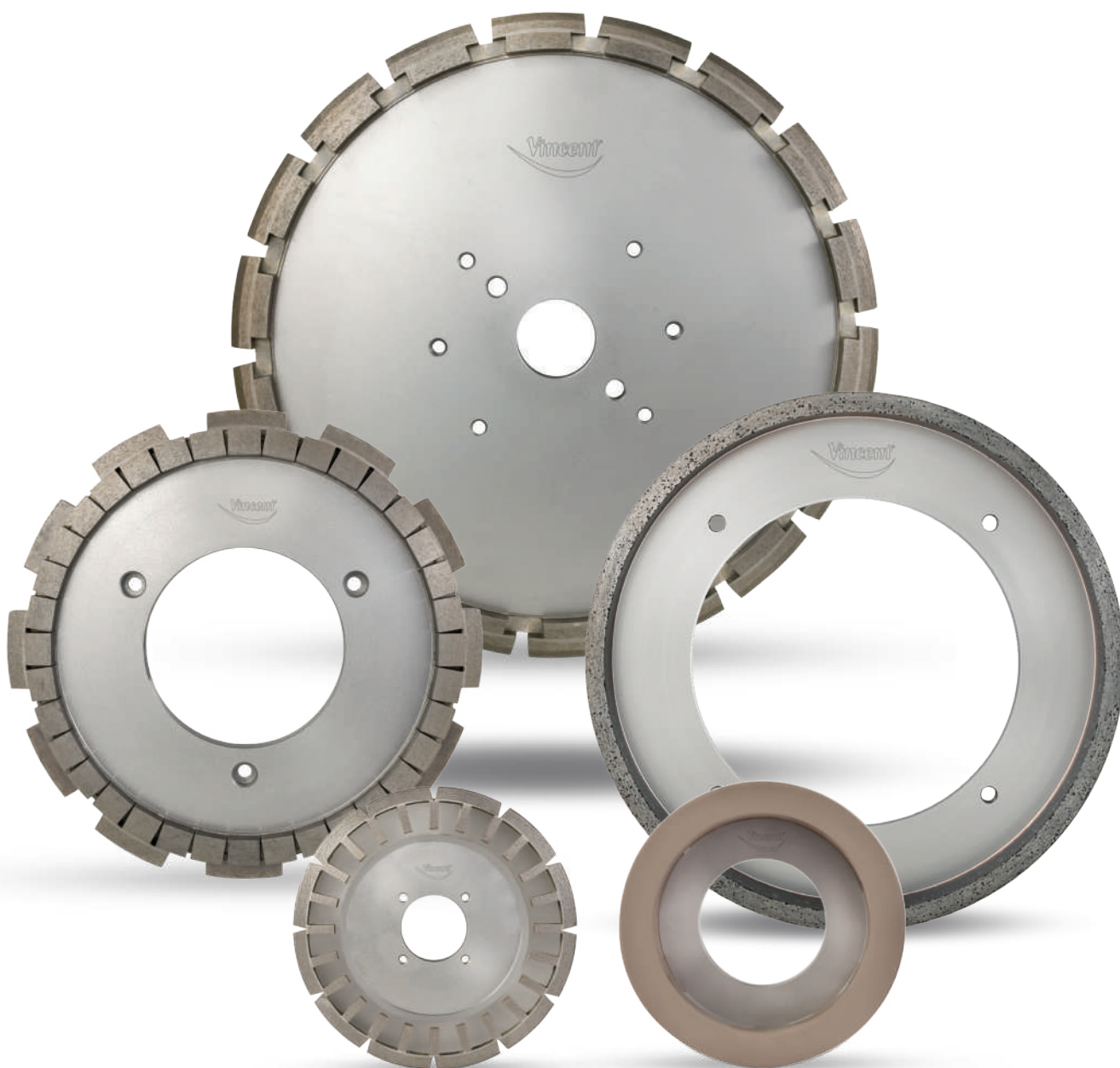
## DIAMOND TOOLS FOR LATERAL CALIBRATION, SQUARING AND CHAMFERING

Specific tools have been designed to meet all application requirements and ensure optimal finish on the ground edges of both natural and engineered stone.

The extensive range of metal and resin cup wheels for lateral

calibrating, squaring and chamfering is the professional solution for every calibrating line and squaring machine.

The geometry of the various wheels can be varied to satisfy the specific removal requirements.



Calibrating, squaring and chamfering wheels





## CALIBRATING AND POLISHING OF NATURAL AND ENGINEERED STONE

# DIAMOND TOOLS FOR SURFACE POLISHING

Today the Stone Industry is processing more and more different materials with a variety of finishes. Everyday VINCENT product specialists are working alongside

the end customers providing professional and innovative solutions to guarantee the quality of slab polishing without forgoing productivity and economic expectations.

### POLISHING SATELLITES AND ROLLERS

Various geometries of wheels and rollers are available for polishing satellites and polishing rotating heads. VINCENT product specialists and application engineers provide the optimal machine setup to satisfy the customers requests. Different bonds and grits guarantee for all tools the best performance on the specific polishing machine with the various stone materials.

### FRANKFURT

VINCENT frankfurts are specific for smoothing of all marble, onyx and soft stone slabs and tiles. Various designs are available both for metal and resin frankfurts to reach excellent performance on all polishing machines. A remarkable range of metal frankfurts - from grit 36 to 150 - and resin frankfurts - from grit 60 to 400 provide the best quality of finish and tool lifetime in the market.



Polishing satellite wheels and rollers for granite and hard stone.



Metal and Resin frankfurt for marble and soft stone.

## DIAMOND OSCILLATING SEGMENTS FOR SURFACE POLISHING

In 1988 VINCENT caused a revolution in the polishing of granite by a new generation of metal bond diamond fickers and, nearly 30 years later, we are still the leader in this technology both for natural and for engineered stone.

The focus is the efficiency of whole machine.

VINCENT application engineers support customers for the

best set up of the machines by a perfect match between metal, resin and buffing tools.

An extensive range of products for grinding, brushing, lapping, buffing complete VINCENT assortment for the slab surface polishing to satisfy the newest requirements of designers and architects.



**CALIBRATING AND POLISHING OF NATURAL AND ENGINEERED STONE****OSCILLATING SEGMENTS**

VINCENT oscillating segments guarantee an excellent smoothing of granite and engineered stone. They grant the proper preparation and shadows free polished surface to obtain homogeneous and high gloss slabs. The high speed and long life of VINCENT oscillating segment

ensure the best productivity and performance. Easy and consistent cutting on all grits avoid scratches. Fine grits of metal oscillating segments allow the reduction of conventional abrasives and resin ones.



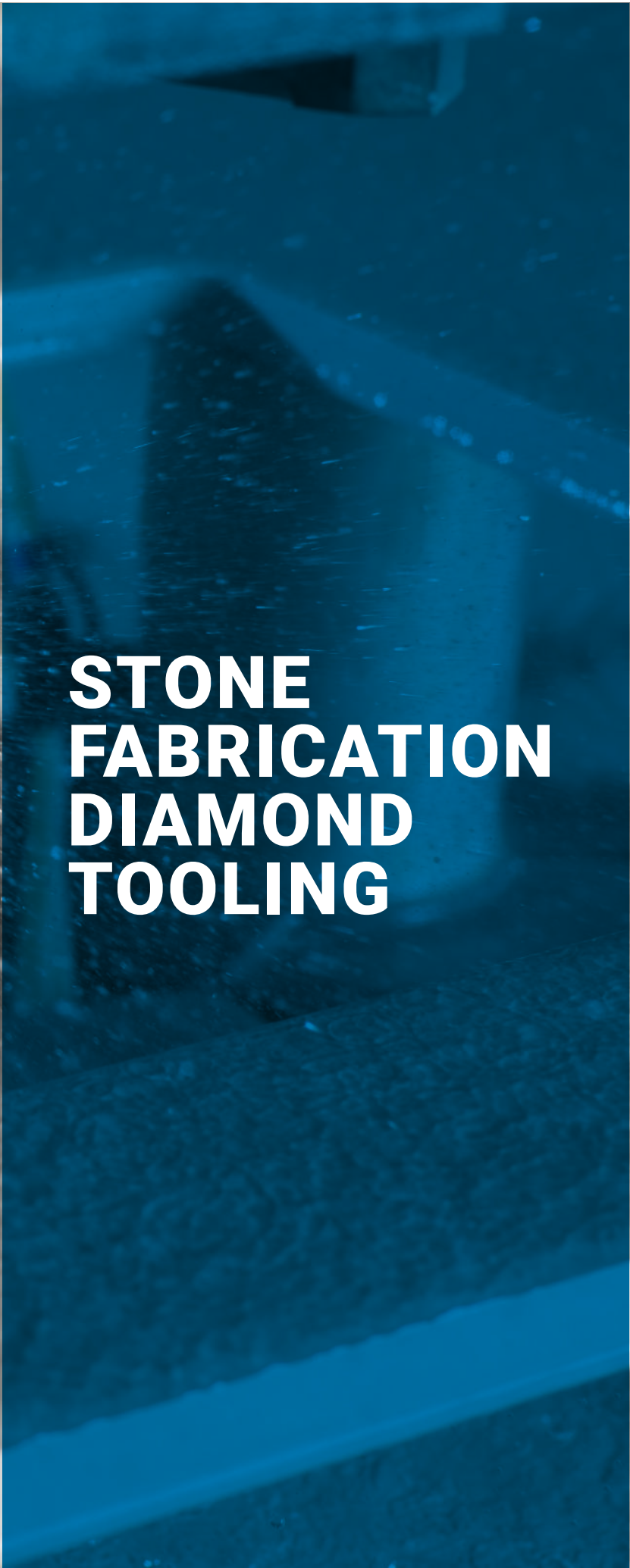
Metal oscillating segments for engineered and natural stone



Resin oscillating segments for engineered and natural stone







# STONE FABRICATION DIAMOND TOOLING

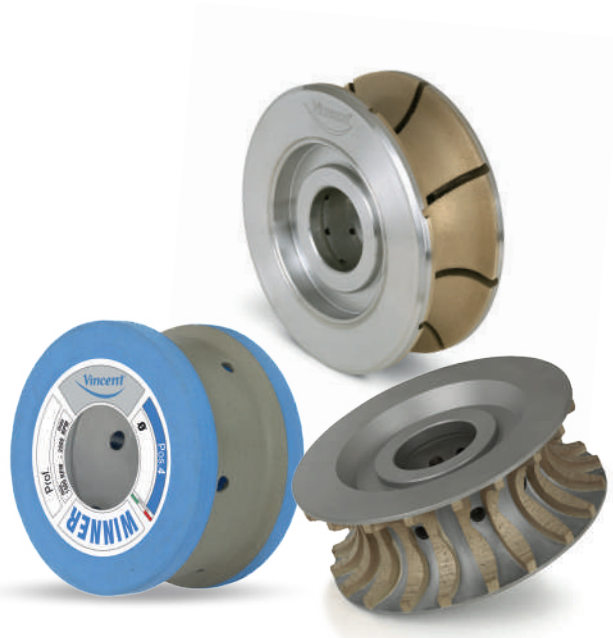


**STONE FABRICATION DIAMOND TOOLING**

**CNC PROFILING TOOLS**

VINCENT CNC profiling tools offer an extensive quality of finish in any granite or engineered stone. Easy set up is guaranteed thanks to an individual measurement card supplied with each wheel.

The specifically developed bonds allow high feed speeds (5m / 200 inch per minute) but minimum noise and spindle absorption. An extensive standard range of profiles and diameters is available as well as a complete custom profile service. VINCENT also offers a full factory re-profiling service to optimize tool life.



**STANDARD PROFILE LIST**

<b>A</b>	<b>A</b> R15+R3	<b>B</b>	<b>B</b> R30+R3	<b>D</b>	<b>E</b>
<b>EC</b>	<b>EC</b> +R3	<b>ES</b>	<b>ES</b> +R3	<b>F</b>	<b>FG</b>
<b>FG33</b>	<b>FGS</b>	<b>FGS</b> +R3	<b>FS</b>	<b>FS</b> +R3	<b>FV</b>
<b>H</b>	<b>L</b>	<b>O</b>	<b>OG</b>	<b>PE</b>	<b>Q</b>
<b>T</b>	<b>TP</b> 20&30	<b>TP</b> 40	<b>V</b>	<b>X</b>	<b>Z</b>

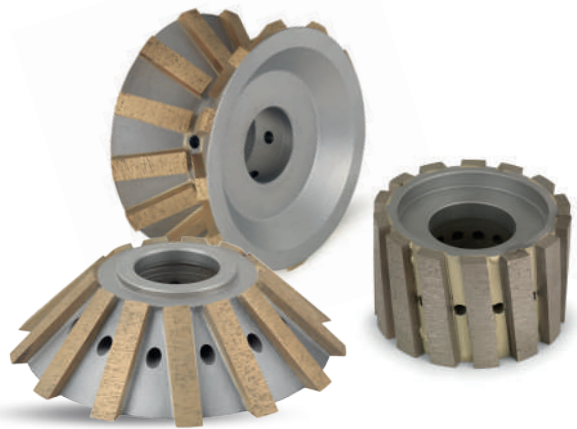




## STONE FABRICATION DIAMOND TOOLING

### ROUGHING WHEELS FOR NATURAL AND ENGINEERED STONE EDGING

To extend the life of profiling tools, VINCENT offers segmented roughing wheels. Both single 45 degree and double 45 degree hoppers and a range of different 'Z' Wheels



### SMALL DIAMETER PROFILING TOOLS FOR NATURAL AND ENGINEERED STONE EDGING

VINCENT has developed a complete system of small diameter profiling wheels to get the best possible finish in tight corners.



### PROFILING AND EDGE WHEELS FOR TECHNICAL CERAMIC SLABS

Over sized technical ceramic tiles (slabs), in a wide range of thicknesses and finishes, are an important innovation for the surfacing market. In collaboration with ceramic manufacturers and stone fabricators, VINCENT has developed an assortment of diamond tools for processing all over-sized technical ceramic tiles and slabs of any thickness and finish; Dekton, Florim Magnum, Iris, Kerlite, Laminam, Lapitec, Neolith, The Size, Techlam, Slimtech, Stoneglass, Zero.3 are some of them



## CNC CUTTING AND DRILLING TOOLS

VINCENT provides an extensive range of finger bits and drilling tools. Different sintered bonds and design for various types of granite, marble, engineered stone and technical ceramics guarantee the best performance satisfying the various customers' needs.

VINCENT is continually developing new technological solutions for natural and engineered stones and for the newest wide range of over-sized technical ceramic tiles. Precision and excellent quality of drilling and cutting are guaranteed for all thicknesses from 6 to 30mm.







# STONE FABRICATION DIAMOND TOOLING

## CNC CALIBRATING, STUBBING, DRAINBOARD TOOLS

In addition to the wide range of stubbing tools for natural and engineered stone, VINCENT has developed specific wheels:



- high speed calibrating stubbing wheel for granite and engineered stone



- top quality calibrating stubbing wheel for Dekton



- flush fitting router for all types of technical ceramic slabs

The assortment is complete with grooving router bits, writing, sculpting and engraving tools and many different tools in Widia, PCD, Tungsten Carbide or sintered diamond

to allow the stone fabricator to work all types of material, whatever the level of detail needed.

## CUP WHEELS FOR EDGE POLISHERS FOR PROCESSING NATURAL STONES, CERAMICS AND AGGLOMERATES

Metal wheels from calibrating to chamfering, generating, grooving and shaping; resin polishing wheels for automatic multi-spindle belt edge polishing machines.

VINCENT tools grant fast cutting tools and excellent finish on straight and round edges.



Metal wheels for straight edging machines



Resin wheels for straight edging machines



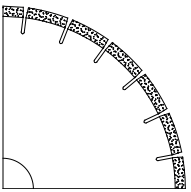
## STONE FABRICATION DIAMOND TOOLING

# SEGMENTED DIAMOND SAW BLADES FOR CROSS CUTTING, BRIDGE SAWS, SPLITTING AND MASONRY SAWS

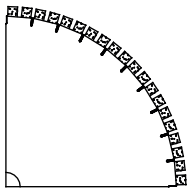
Diameters from 300 to 900 mm for cutting granite, marble, other natural stones, engineered stones and ceramic slabs. VINCENT possesses a wealth of expertise on all types of materials and knows exactly what the customer requires.

A comprehensive range of tool solutions for high speed, no chipping and long life cutting also for specific applications and materials.

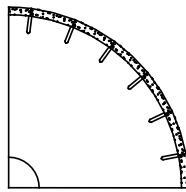
## TYPE OF BLADE FOR BRIDGE SAWS



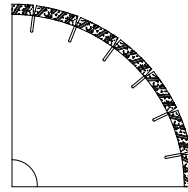
**C2 NARROW CORE TOOTH**



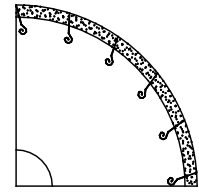
**C2 P**



**C2 L**



**C2 J TURBO SEGMENT**



**C8 I CONTINUOUS RIM**



## ADVANTAGE

- + EASY, CLEAN AND PRECISE CUTTING
- + CONSISTENT QUALITY
- + MULTILAYER TECHNOLOGY FOR GRANITE HIGH SPEED CUTTING

STONE FABRICATION DIAMOND TOOLING

# DIAMOND TOOLS FOR WET OR DRY USAGE ON PORTABLE MACHINE

Working with an angle grinder is an important process for all types of stones.

VINCENT offers a complete range of tools for grinding, polishing and cutting of marble, granite, agglomerate, ceramic and concrete.

VINCENT assortments of metal and resin grinding wheels and polishing pads meet the requirements of wet and dry applications.

Quick and accurate grinding, high stock removal rates and long lifetime are their characteristics.



SAW BLADE



METAL GRINDING WHEEL



RESIN GRINDING WHEEL



POLISHING PADS



more brands one group

CERAMICS | GLASS | NATURAL STONE | ENGINEERED STONE | STONE FABRICATORS | MECHANICS



[www.surfaces-group.it](http://www.surfaces-group.it)

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