

[www.vincent.it](http://www.vincent.it)

# YOUR PARTNER IN STONE INDUSTRY

Tools & Solutions

# STONE

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

 SURFACES GROUP



# YES WE CARE

## CREATING VALUE IN HARMONY WITH NATURE.

**Sustainability and leading-edge solutions make up the mindset of Surfaces Group** which implements an industrial policy based on sustainability.

Important projects already successfully carried through:

- **ADI Free Dry Grinding Wheels** for dry squaring. They enable both the reuse of powders generated by processing for the production of new mixes and easier waste disposal.
- **ECOS by International Chips**, a revolutionary technology for dry vibratory mass surface finishing, for any type of material. It simplifies the processing cycle and improves efficiency, enabling water saving and sludge reduction.
- The **Luna Abrasivi IQ** Line comprises new-generation grinding wheels for agglomerate surfaces, manufactured using an energy-saving production process.
- **VOC Free certification for the NoCoat Gloss and Supergloss** treatments, certifying the absence of formaldehyde, benzene and other volatile organic compounds harmful for the environment and people.
- **VINCENT HALO wheels: CO2 reduction**  
Due to their recyclable core, their light weight and volume, HALO single use wheels contribute to the reduction of CO2 emissions caused by transportation.
- **An in-house "Good Practices"** protocol for recycling and resource saving during daily life within the organisation.  
A great deal more can and must be done, but Surfaces Group has started out on the demanding but essential path to transformational change, and the promotion of eco-sustainable economic growth.

# GROUP IDENTITY



Italian technology  
 innovation  
 know-how  
 research  
 experience  
 worldwide presence  
 custom solutions

## Surfaces Group Absolute finishing

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.

Direct subsidiaries

10

Key sectors

5

Production sites

12

Employees

800

Countries served

70

more brands one group





## Who we are

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.



SURFACES GROUP



# History marked by innovation



Discover the evolution

1974

VINCENT was founded in Thiene, a small town in the Northeast of Italy, in 1974. The company is specialized in the production of diamond tools for cutting, grinding and polishing stone, natural stone, quartz agglomerate, glass and ceramic tiles.

1994

Twenty years after its foundation, in 1994, VINCENT caught the attention of the Austrian Swarovski family, who acquired the company and brought it into the TYROLIT group, manufacturers of abrasives. TYROLIT thus enforced its presence in the world of natural stone, and made its debut in ceramics and glass tools. Over the years, there have been many innovations, covering all applications for the processing of natural stone: starting from wire used in the quarry, to tools for polishing everything from kitchen tops to adjoining sectors, such as agglomerated stone, ceramic, glass, and automotive and optical glass.

2021

In 2021, the Quartz Industries division left the TYROLIT group to become part of Surfaces group, reviving the historical "VINCENT" brand, enhanced by the tagline "Tools for Quartz industries". With an emphasis on quartz, the most widespread mineral on Earth, it is contained in each of the materials worked by Vincent tools: natural stone, agglomerate, glass and ceramic.





STONE



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

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**SURFACES GROUP**

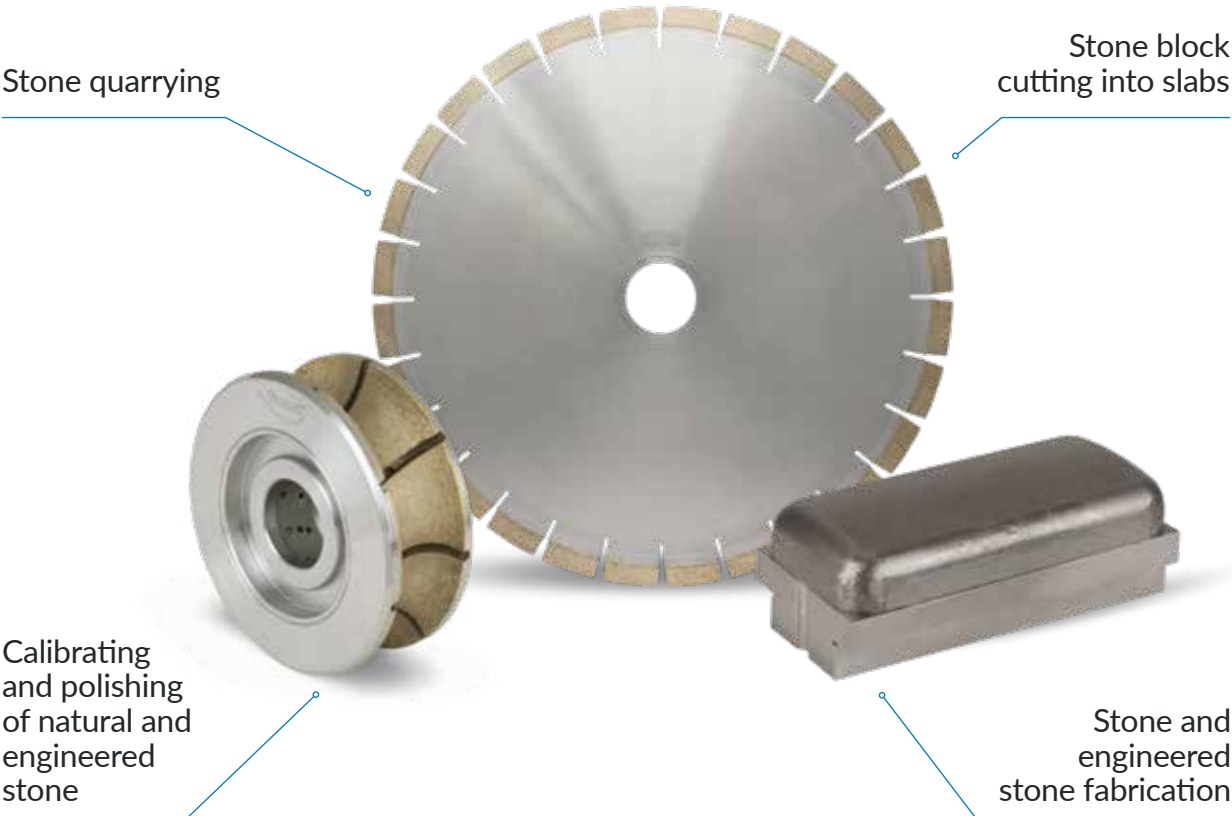


## Competence & experience Professional partner on equal terms

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.

### VINCENT - 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.



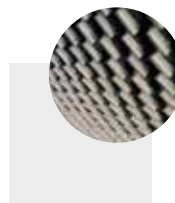
**2004**

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





## 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:

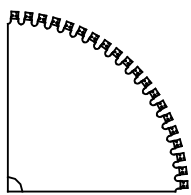
- + Multiblade
- + Block saw
- + Horizontal
- + Multicross
- + Trimming
- + Bridge saw

Vincent provides blades suitable to cut various materials like:

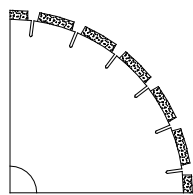
- + Granite
- + Quartzite
- + Sandstone
- + Limestone
- + Marble
- + Engineered stone
- + Technical ceramic

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

## 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.



## 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 anymore 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



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



## 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

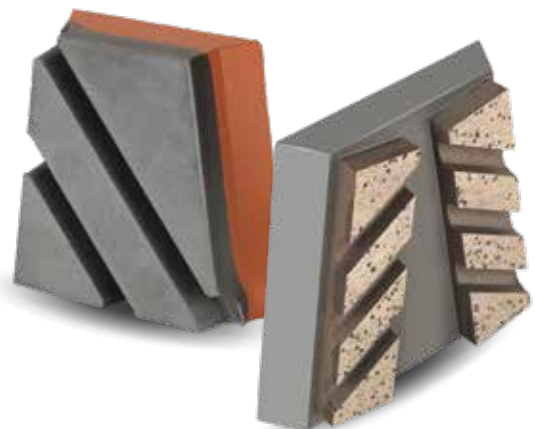
Various geometries of wheels and rollers are available for polishing satellites and polishing rotating heads. VINCENT product specialists and application engineers provide the optimal machine setup to satisfy the customers requests. Different bonds and grits guarantee for all tools the best performance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



Polishing satellite wheels and rollers for granite and hard stone.

### 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.



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.





## 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.

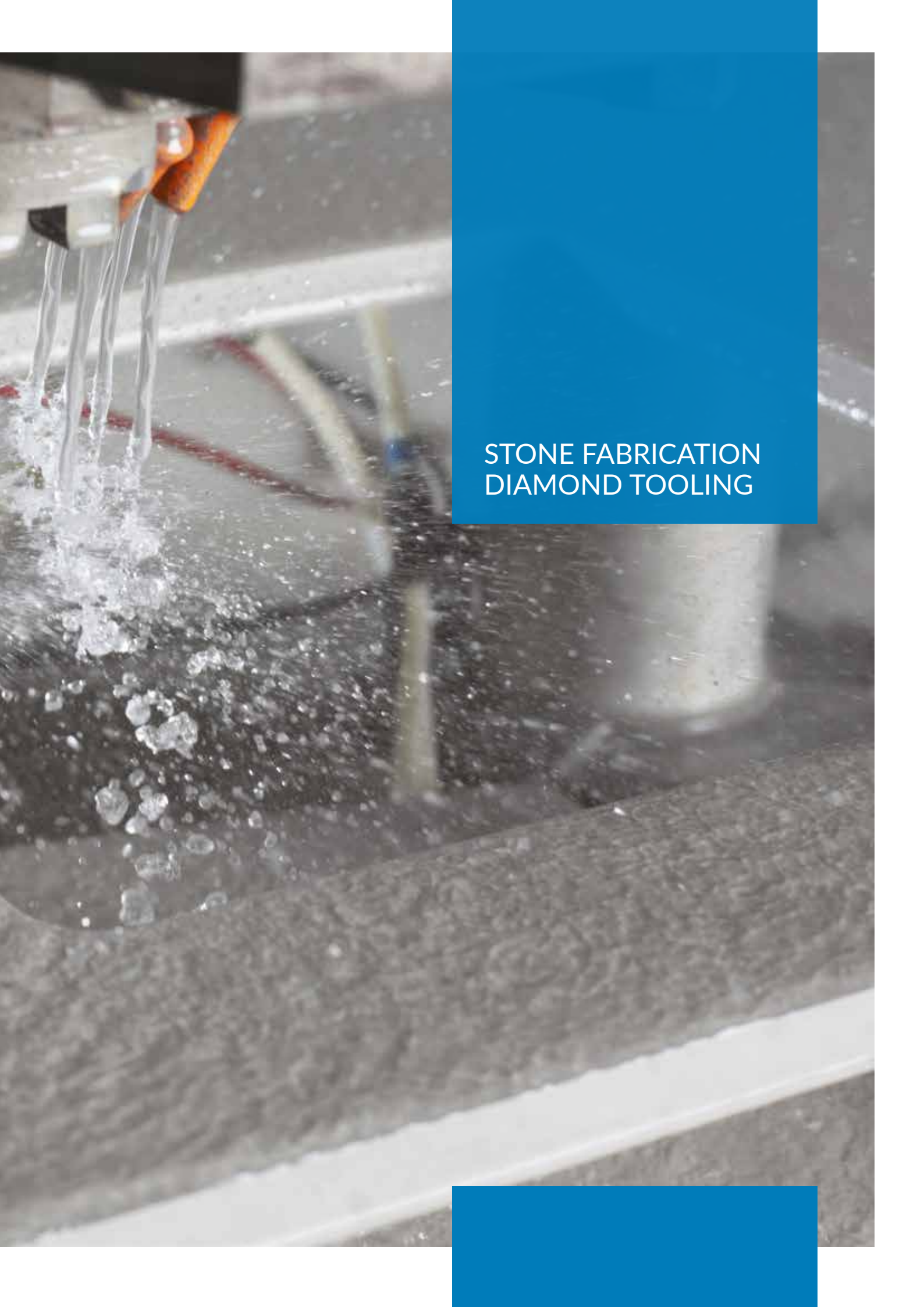


Metal oscillating segments for engineered and natural stone



Resin oscillating segments for engineered and natural stone





STONE FABRICATION  
DIAMOND TOOLING



## 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<sub>R15+R3</sub></b>	<b>B</b>	<b>B<sub>R30+R3</sub></b>
<b>D</b>	<b>E</b>	<b>EC</b>	<b>EC<sub>+R3</sub></b>
<b>ES</b>	<b>ES<sub>+R3</sub></b>	<b>F</b>	<b>FG</b>
<b>FG33</b>	<b>FGS</b>	<b>FGS<sub>+R3</sub></b>	<b>FS</b>
<b>FS<sub>+R3</sub></b>	<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<sub>20&amp;30</sub></b>	<b>TP<sub>40</sub></b>	<b>V</b>
<b>X</b>	<b>Z</b>		

## 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 hoggers 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

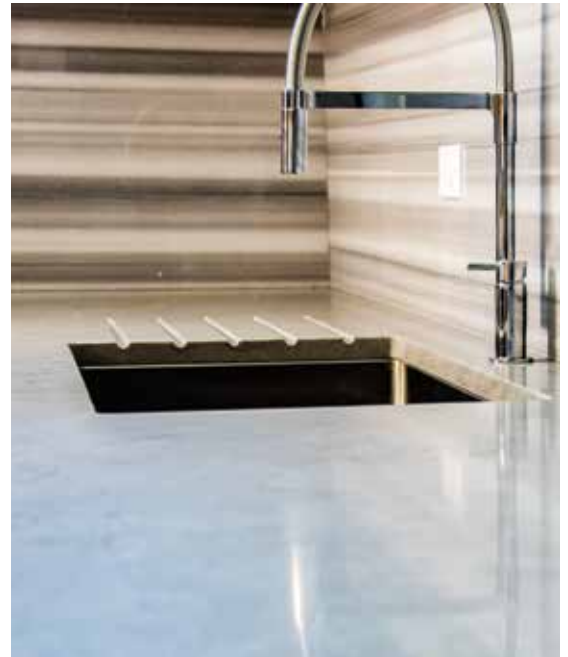
Over sized technical ceramic tiles (slabs), in a wide range of thicknesses and finishes, are an important innovation for the surfacing market. In collaboration with ceramic manufacturers and stone fabricators, TYROLIT has developed an assortment of diamond tools for processing all over-sized technical 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.





## 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



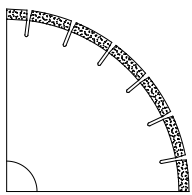
Resin wheels for straight edging machines

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

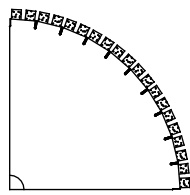
Diameters from 300 to 900 mm for cutting granite, marble, other natural stones, engineered stones and ceramic slabs. VINCENT possesses a wealth of expertise on all types of materials and knows exactly what the customer requires.

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

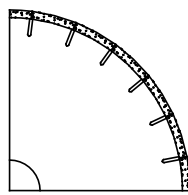
Type of blade for bridge saws



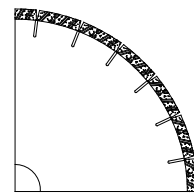
C2 Narrow core tooth



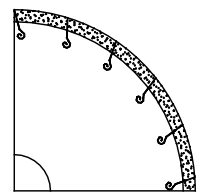
C2 P



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

## 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.



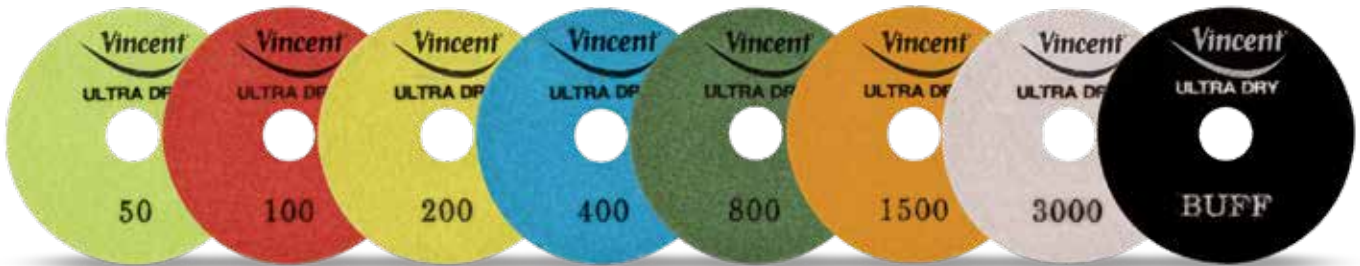
Saw blade



Metal grinding wheel



Resin grinding wheel



Polishing pads



Printed on ecological paper as no chlorine is used for the bleaching of fibers during the production of cellulose and is 100% recyclable



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SURFACES GROUP

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