

PRODUCT  
CATALOGS

### CONTACT

*Reg. Office*

59/88, Shakti Chambers,  
8-A National Highway, Morbi -383642 (Guj.)

Tel. : +91-2822-244720

Mob : +91-98791-30666

+91-99252-43143

Web : [www.faceimpex.com](http://www.faceimpex.com)


e-Mail : [sales@faceimpex.com](mailto:sales@faceimpex.com)



Face  
Impex Pvt.ltd.

# PRODUCT CATALOGS

MAKE YOUR DECISION EASY

 [sales@faceimpex.com](mailto:sales@faceimpex.com)

2018

# Welcome Readers

Today it gives me immense Pleasure to introduce ourselves as front runners of ceramic industries in the ceramic city Morbi, which is currently fulfilling 70% demand of modern age ceramic.

Our vision and mission is to serve the industries in the best possible manner by the means of international trade and also to provide a smooth import export channel to the industrialist of Morbi.

## FROM Chairman's Desk

It is wisely said that "Histories are made by the persons. Who simply dare to write it" so keeping that in mind Face group had started the venture Face impex pvt.ltd in the year 2006. Face impex is working in the business of import and export with a core intention to serve the ceramic and also the other industries of Morbi for overseas business, Face impex is a place where we assure to help ceramic industries of morbi by facilitating their day to day import requirements, by keeping the adequate stock of required material and also by giving a global exposure to the manufactures of morbi.

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<b>High performance alumina</b> High-performance alumina grinding balls, bricks the microcrystalline wear-resisant alumina ball stone, lining bricks, etc.	3
<b>Ceramic Roller</b> Face is authorised Agent of SCIEN FINE MATERIALS CO. Ltd. specialized in manufacturing Ceramic Roller Under SCIEN Group.	4
<b>Sanitaryware Kiln Furniture</b> Face can satisfy every customer's need thanks to its ability to produce setter slabs with widths of up to 625 mm and lengths of up to 1375 mm, and the possibility of creating various unique finishes.	5
<b>Silicon Ceramic Product</b> Supply High Performance silicon carbide ceramics according to europe standard system.	6
<b>Ceramic RAW Materials</b> We also supply the ceramic raw materials. it will used in ceramic body clay, binding agent, surface polishing or other perpose.	7
<b>Tiles &amp; Sanitary Export</b> We are exporting the ceramic walltiles, vitrifiedtiles, GVT, PGVT, Double Charge, Nano Tiles and Sanitarywares To all Over World	8

## WALL TILES BISCUIT POLISHING MACHINE



The device change the traditional grinding polishing process, a more stable and lower grinding technology. tiles in the production process, due to raw material, technology, equipment, etc. there will inevitably be deformed on green body, partical, such as rough surface defect. our equipment can be based on the degree of surface defects on green body to adject the thickness and pressure belt equipment to meel customer requirments standard, can effectively improve product excellent rate, saving material cost and improve the brightness of the glaze

This equipment is a combination of the characteristics of the use of the ceramic industry and production experience, the use of modern mechanical and electrical integration of automation technology, after years of research and development of the new generation of green body polishing thick machine has become very complete and effective machinery and equipment due to high processing efficiency, applicability the use of low cost, safe and convenient operation, and by the ceramic industry users well received.

## GREEN BODY / FLOOR TILES THICKNESS POLISHING MACHINE





# WALL TILES MIRROR SURFACE POLISHING MACHINE

## TECHNICAL PARAMETER

Wall tiles mirror surface polishing machine is a special polish machine developed by hongcheng company for wall tiles. Unique and highly efficient automatic profiling disc planetary mechanisms, together with the suer wear-resistant and sharp polishing block, specially suitable for the polishing of wall tiles, the surface gloss can be up to 90 degree after polishing, which can completely solve the current problem in glaze polishing technology such as low wear-resistance, easy to scratch, missing polishing and high cost of running.

### FEATURES

- ▶ High efficiency, low energy consumption, adopt polish head drive system, which can improve the working efficiency of the equipment, effectively increased production and quality of products, the machine work smoothly and low power consumption and so on.
- ▶ Excellent profiling performance, high gloss uniformity, during the operation, the polish disc can flexibly and freely carry out profiling according to the tile surface, which can effectively avoice missing polishing, thus to ensure the gloss uniformity of tile surface.
- ▶ Long service life of the abrasive, abrasive of this equipment has superior wear resistance and cutting performance.



Energy saving



Water saving



High Glossness



Long Service Life

Model no	Group No. of Polish head	Main Drive Power	Single polish head	Dia. of polish wheel
HCPY1000-16A	16	11 KW	10.6 KW	125 mm
Conveyor belt speed	Max. working width (mm)	No. of polish wheel (set/group)	breakage Rate	Air Supply
6-9 M/Min	450 mm	3	≤ 1%	0.6 ~ 0.8 Mpa
Water Consumption	Air Consumption	Total Power	Daily Capacity	G. Weight
592L/Min	320L/Min	180.6 Klw	6000 Sqm/D	21 Ton

# CERAMIC TILES VISION SYSTEM FOR QUALITY CONTROL



**WORKING SIZE**

**GLOSSMETER**

**COLOR DEFECTS**

**DIAGONALS**

**COLOR TONE**

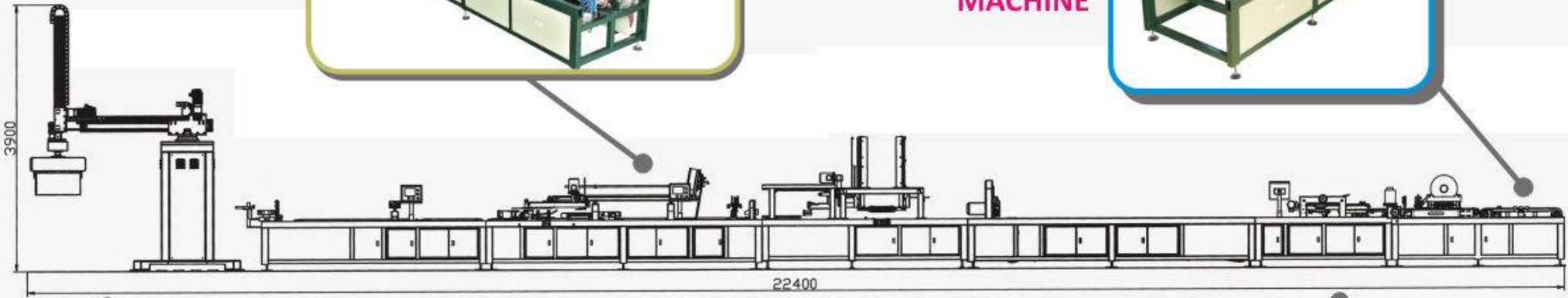
**FLATNESS**

# WALL TILES & GVT SEMI-FULL AUTOMATIC TILE PACKING LINE

**CARTON PACKING & SEALING MACHINE**



**PAPER (FILM) COATED MACHINE**



**PELLETIZING ROBOT**



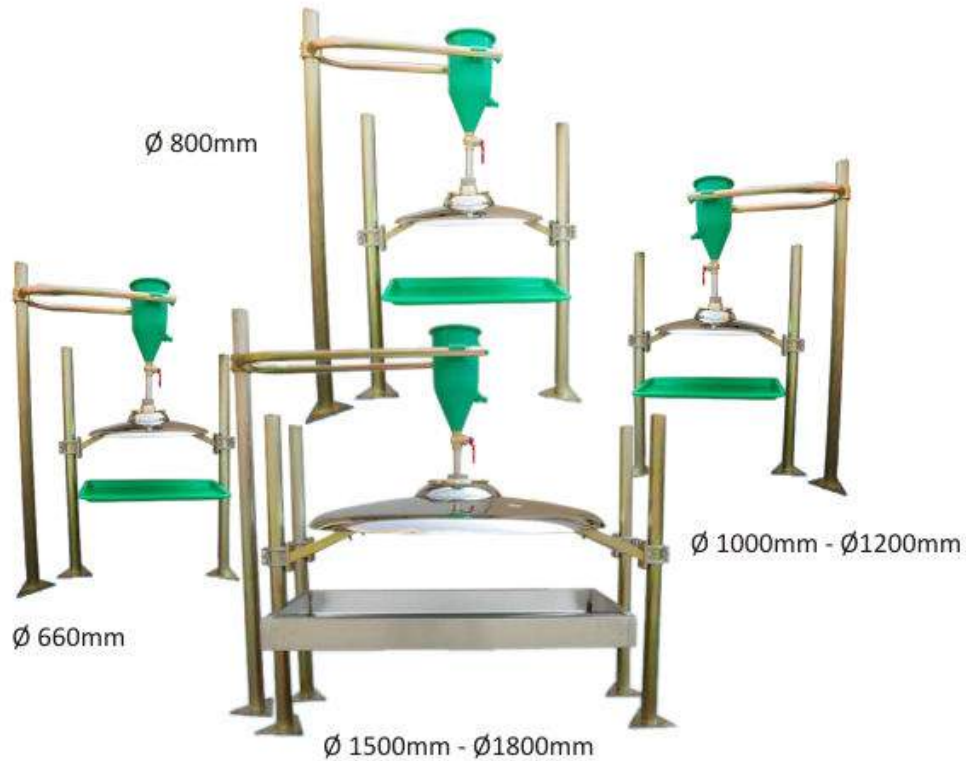
**TILE STACKING MACHINE**



- LONG / SHORT STORAGE MACHINE
- CONVEYOR LINE
- CORNER PLACING MACHINE
- WOOD WRAPPING MACHINE
- CARTOON TURNING MACHINE
- EDGE WRAPPING MACHINE



# Bell Glazing Machine



### TYPE AND SCOPE OF USAGE

Ø 660mm	Ø 800mm	Ø 1000mm	Ø 1200mm	Ø 1500mm	Ø 1800mm	Ø 2330mm
400X400	500X500	600X600	750X750	800X1000	800X1400	1200X1400



# Super Surface Glazing Machine



1480 X 750 X 1200 mm    900 X 750 X 1200 mm  
 1600 X 750 X 1200 mm    1200 X 750 X 1200 mm

# AIRLESS SYSTEM



**Coating Machine - Vela Flow**

System To apply engobe or glaze by a coating head and a pump installed directly in the special anti-bubble tank. available in two models, one with special no-sticky TEFLON coated coating head and system to control the flow "CONTROLFL", the-second one with a machine all made in stainless steel and easy coating head opening.

System to Apply glazes, crystallize, engobe and dy powder by airless three pistons pump. the pressure control is managed by and inverter and photocell for the stand-by mode of the pump. the piston pump allows a high reliability and constant flow, very low maintenance and perfect application and low waste of material applied.



**Super Surface Glazing Machine**



**Perfect Airless System**



# POLISHING ABRASIVE TOOLS



Diamond Roller



Diamond Abrasive



Silicon Abrasive



Matt Abrasive



Lapato Abrasive



Grinding Brush



Squaring Wheel



Trimming Wheel



Chamfering Wheel



Squaring Wheel



Chamfering Wheel



SAW BLADE

# LightUP!

A new generation of neutral PH abrasives: a great idea with great advantages.

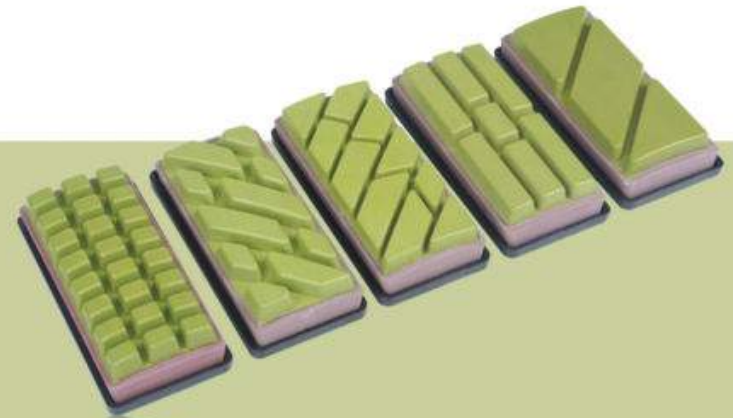


## GLAZE Polishing Abrasive Tools

**HONGCHENG**  
ABRASIVE TOOLS CO., LTD

- A more economic and simplified polishing process
- An improved aesthetics
- Fewer polishing heads needed
- Improves safety and health issues
- Enhanced brightness with short lines

## GLAZE POLISHING ABRASIVE TOOLS



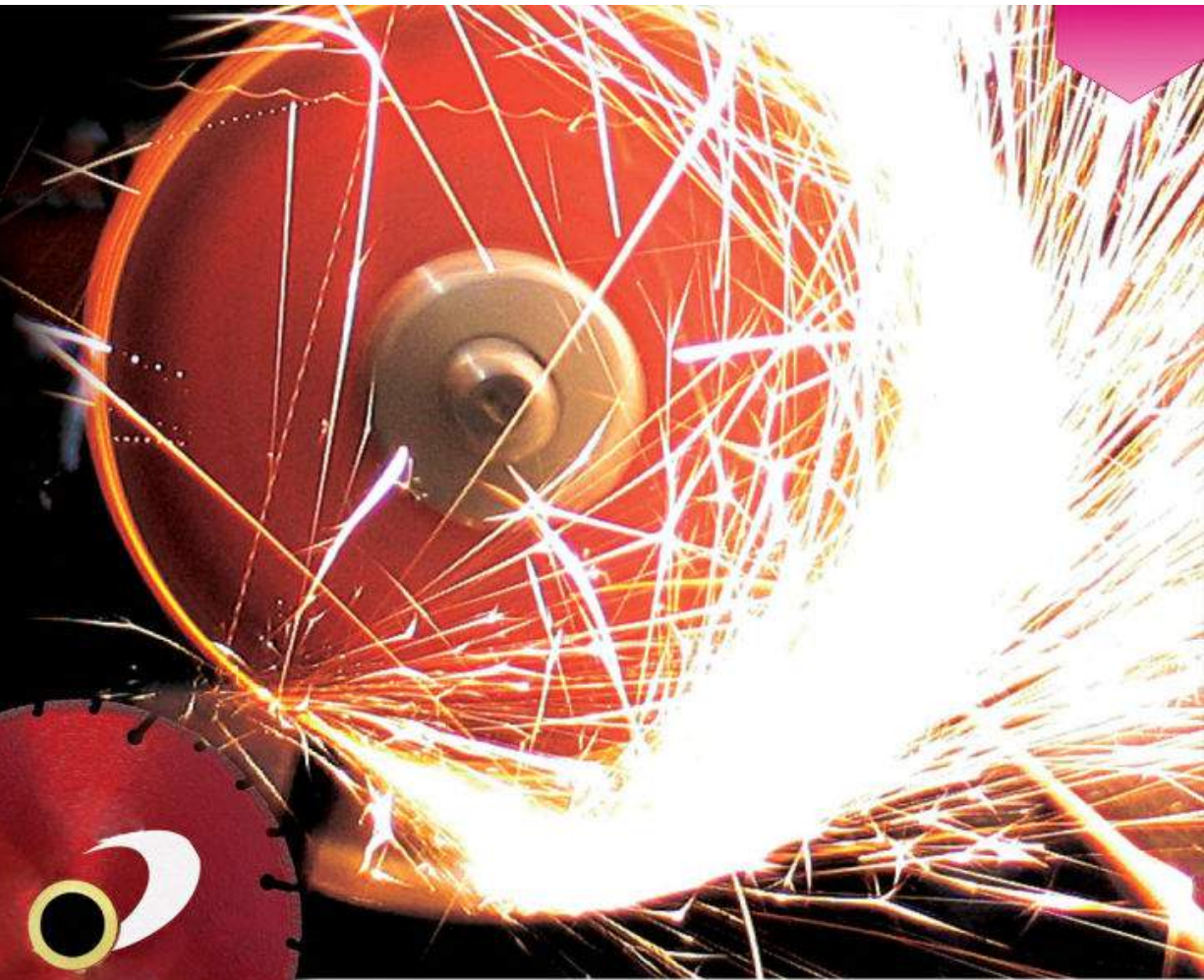
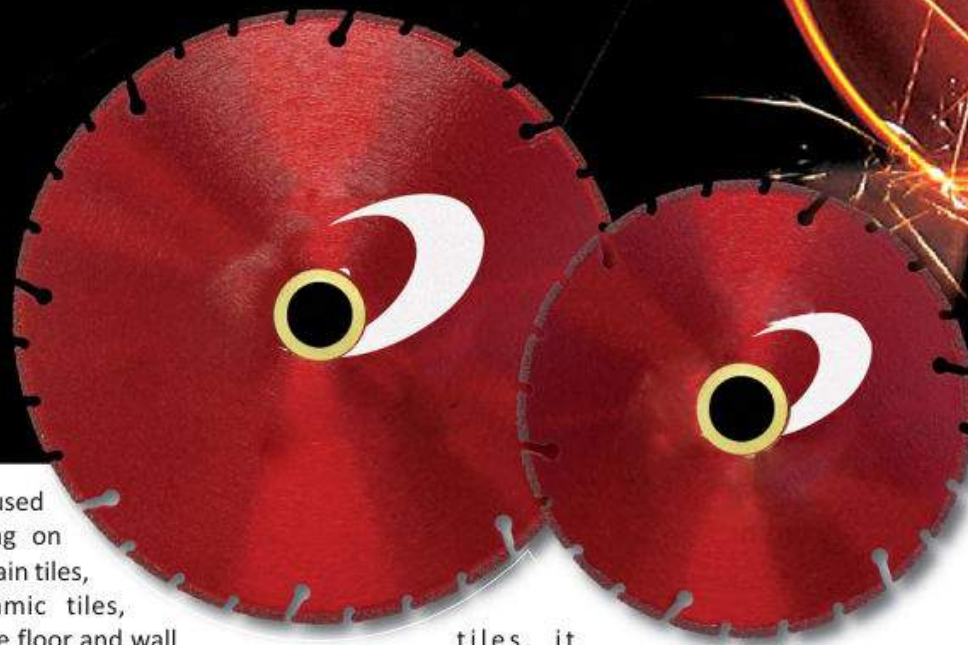
Glaze Polishing abrasive tool is used to make flexible full polishing on the surface of glass panel, rustic tiles, full polished tile, surface flat glazed tiles, wall tiles. our polishing abrasive tools are approved for their excellent shaping effect, good sharpness, high gloss and long working lifetime.

NAME	MODEL	SIZE	SHAPE	GRIT
Glaze Polishing Abrasive Tools	L140 (T1)	129 X 60	Square Teeth Bvel Teeth	120#, 150#, 180#, 240#,320#, 400#, 600#, 800#,1000#.
	L170 (T2)	164 X 62		1200#, 1500#, 1800#, 2000#, 2500#, 3000#, 6000#, 8000#



DIAMOND SAW BLADE

# DIAMOND SAW BLADE



This Product is used to make cutting on polished porcelain tiles, wearable ceramic tiles, rustic tiles, glaze floor and wall tiles. it can be used by single and multi blades, our welded diamond cutting discs are approved for their good sharpness smooth and flat cutting slot, no chipping and long working life time. this product is normally used on single head to two head automatic cutting machine and manual cutting machines.

Other specifications are available upon Customer Request

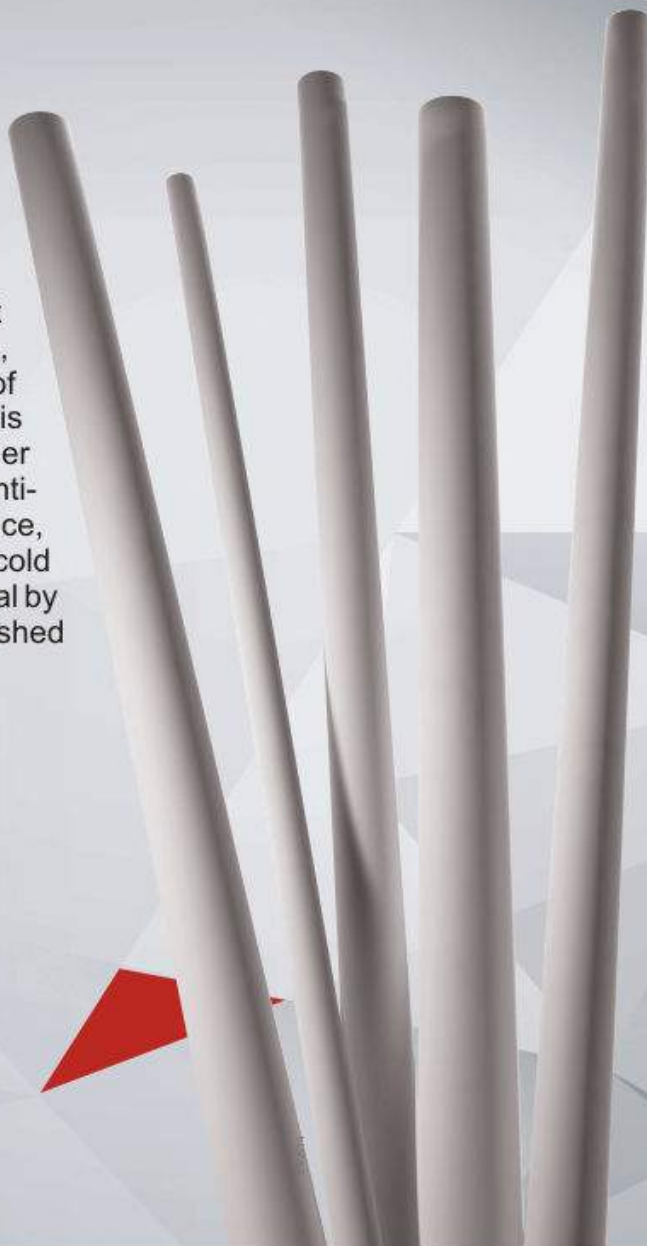
## Specification And Parameter

Outer Diameter	Thickness	Height
Φ180	1.8 / 2.0	10
Φ200	1.8 / 2.0	10
Φ250	1.8/2.0/2.2/2.4	9/10
Φ300	1.2/1.4/1.6/1.8/2.0/2.2/2.4	9/10
Φ350	2.8/3.0/3.2	9/10
Φ400	2.8/3.0/3.2	9/10

To obtain the maximum quality on your products

SCIEN S98 super high temperature roller designed for production full casted porcelain tiles. S98 is very suitable for wide body kiln, heavy load and high capacity working condition. manufactured with high quality and the best optimized category war materials from oversea, S98 roller fired on 1700C. the bending strengths of this roller can reach more then 80MPa, which is highest bending strengths among all the roller suppliers. with the lower creep coefficient, anti-corroded, and excellent thermal shock resistance, S98 roller remains intact in the test from 1350C to cold water. currently S98 roller already received approval by all the end used, which become the most distinguished products in all roller suppliers.

*Ceramic rollers*





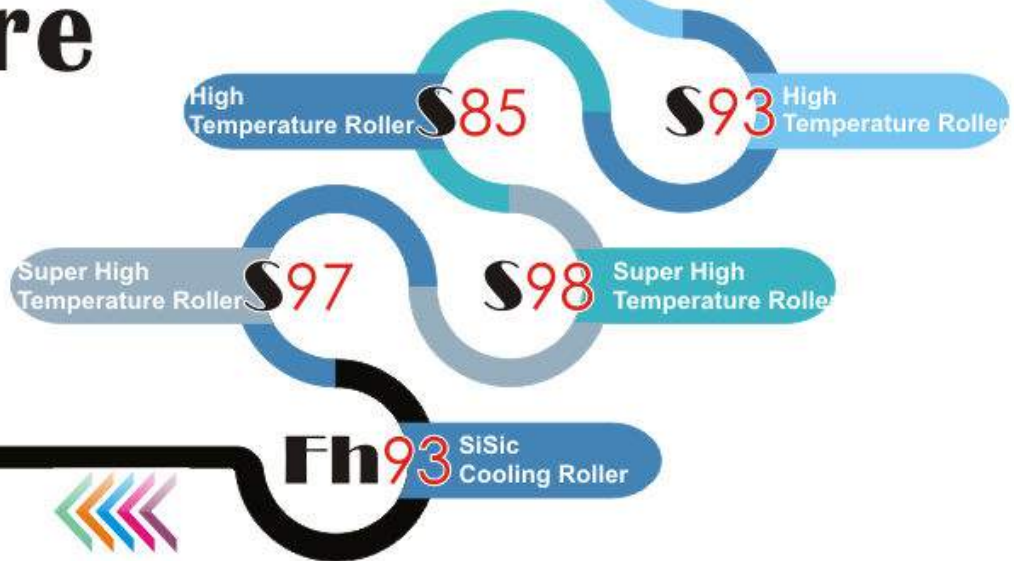
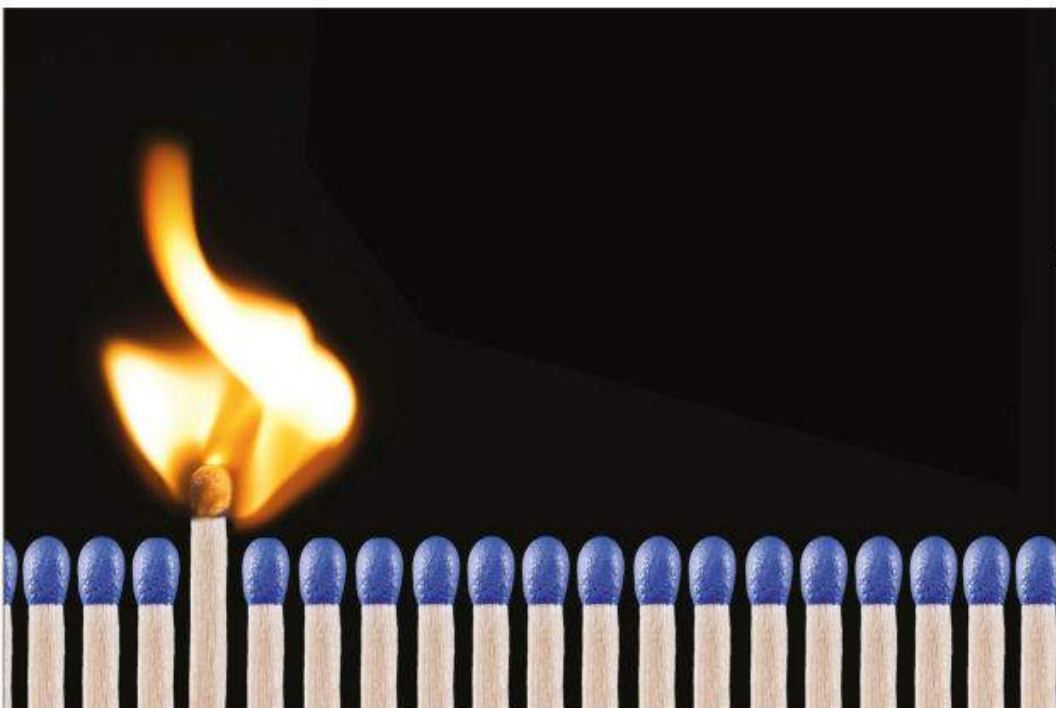
SCIEN CERAMIC ROLLER

POINTING YOU IN  
**THE RIGHT  
DIRECTION**

HAVE SOME FIRE

*BE UNSTOPPABLE*

**be a force of nature**



We "FACE IMPEX PVT LTD." Are Authorised dealer of SCIEN ceramic roller. SCIEN established in 1996, Scien Fine Material co., ltd. specialized in manufacturing ceramic roller under SCIEN group. scien has always insist on independant technology innovation. in order to meet changing market demands. now scien have gain 3 patent on utility model. 9 patents on roller appearance designed. scien roller is the fist choice for kiln manufacturers and factories in domestics and oversea.

# Setter slabs for sanitary ware



## Example of product



Bowl raisers



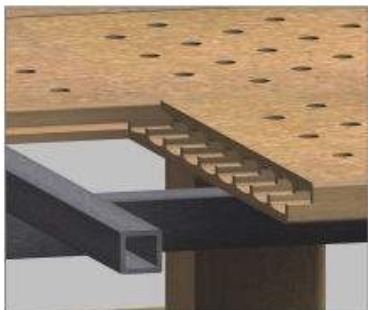
Columns, splicers and beam holders



Slabs for fring corner washbasins



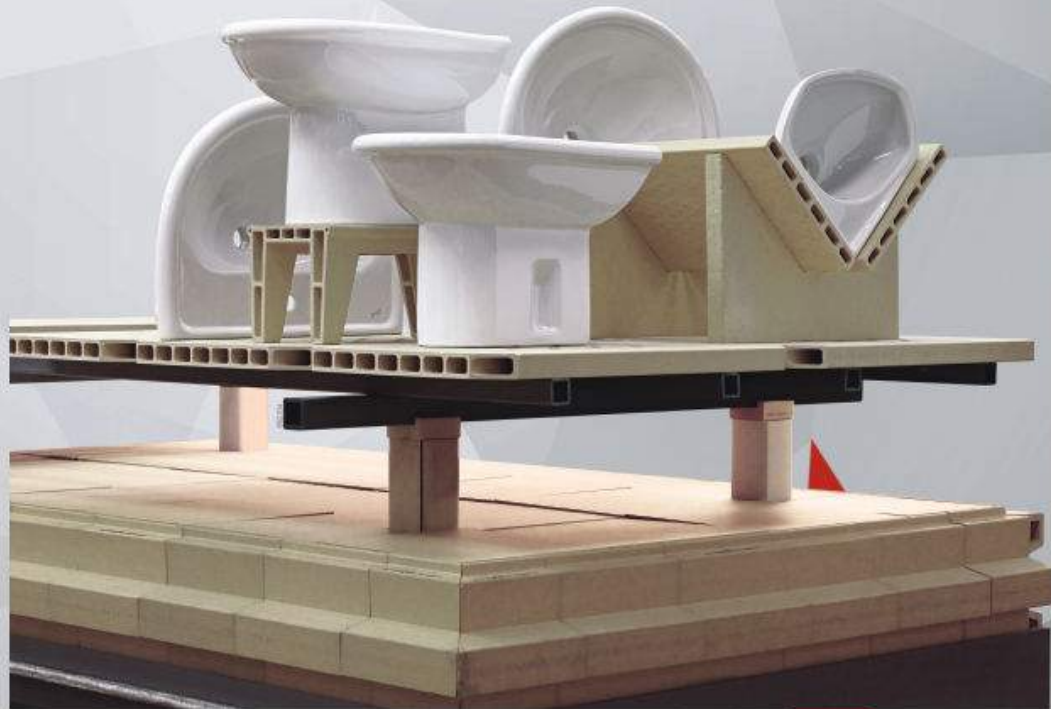
Slabs for fring inset washbasins



Honey-combed, hollow-core and side and interlock slabs

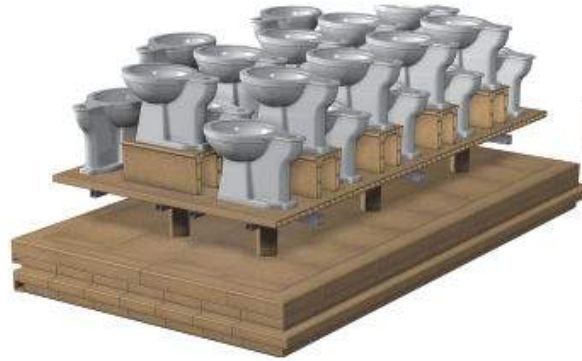


Honey-combed, hollow-core and side-tapped slabs



**√x** The formulas  
**CONCEPT C**

This type of formula is particularly suitable for firing sanitary ware in roller kilns, thanks to its excellent resistance to thermal shock.









**CONCEPT C2**

most used refractory formula. C2 products are used by a great number of sanitary fittings manufacturers throughout the world. They offer countless advantages, including the lightness and resistance of the material.

**Technical characteristics**

		CONCEPT C	CONCEPT C2	CONCEPT C3
Analisi chimica (%) Chemical analysis	Al <sub>2</sub> O <sub>3</sub>	34 - 38	35 - 37	36 - 38
	SiO <sub>2</sub>	53 - 55	52 - 55	50 - 52
	MgO	6 - 7	7 - 8	7.5 - 8.5
	Fe <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub>	<3.5	<3.5	<3
	CaO + K <sub>2</sub> O + Na <sub>2</sub> O	<2	<1.5	<2
Crystallographic analysis		Cordierite Mullite	Cordierite Mullite	
Thermal expansion (Kx 10 <sup>-4</sup> )	(20 - 1000 °C)	2.4 - 2.8	2.5 - 2.9	2.3 - 2.7
Modulo di rottura (N/mm <sup>2</sup> ) Module of rupture (N/mm <sup>2</sup> )	20 °C	17 - 20	20 - 23	11 - 14
	1250 °C	17 - 20	20 - 23	11 - 14
Weight/Volume Ratio (g/cm <sup>3</sup> )		2.05 - 2.10	2.05 - 2.10	1.93 - 1.99
Apparent porosity (%)		17 - 19	17 - 20	22 - 25
Absorbed water (%)		8 - 9	9 - 10	11 - 13
Coefficient of elasticity (kN/mm <sup>2</sup> )	20 °C	26	29	20
	1250 °C	23	27	19
Creep		***	****	*****
Thermal shock resistance		****	****	*****
Specific heat (kJ/kg K')	20°C	1	1	1
Thermal conductivity (W/m K')	20°C	1 - 1.5	1 - 1.5	1 - 1.5
Maximum operating temperature (°C)		1280	1300	1320

-  High resistance to thermal shock
-  Greater heating and cooling rates with resulting energy savings
-  Greater homogeneity of temperature in the slab
-  Excellent performance during firing at high temperature
-  Less thermal Δ between the support and piece being fired
-  Absolute precision

This is the formula recommended for the most critical situations. Its main feature is that it offers greater refractoriness, thereby enabling large loads to be fired without having to increase the size of the refractory support. It is also suitable for manufacturing the columns required for the complex superstructures of kiln cars.

**CONCEPT C3**



refractory supports are distinguished by their light structure with a high moment of resistance and a much lower incidence of weight/m<sup>2</sup> than traditional supports.

In particular, the entire range of hollow-core setter slabs, thanks to their intrinsic qualities, permits:

- Faster firing cycles and energy savings;
- Reduction in problems of thermal shock and cracking.

every customer's need thanks to its ability to produce setter slabs with widths of up to 625 mm and lengths of up to 2000 mm, and the possibility of creating various unique finishes. The products are made based on the CONCEPT C, CONCEPT C2 and CONCEPT C3 formulas, which are distinguished by their low coefficients of thermal expansion.

## MICROCRYSTALLINE WEAR-RESISTANT ALUMINA BALL STONE

The Microcrystalline wear-resistant alumina ball stone is a high-quality grinding medium made of selected high grade materials, advanced molding and calcined in high-temperature tunnel kiln. Processed with high density, high hardness, low wear, good seismic stability and good corrosion resistance, the products are the most ideal medium for grinding glaze, blank and mineral powder processing and are used as the grinding medium of ball mill in ceramic, cement, paint, refractory, inorganic mineral powder and other industries.

It's able to make the product in different specifications as customers requirements.

General Specifications of Microcrystalline Wear-resistant Alumina Ballstone

NAME	Pressed Ball	Rolled Ball	Cylindrical Ball
Alumina Ball stone	Φ3 Φ4 Φ5 Φ6 Φ7 Φ8 Φ9 Φ10 Φ11 Φ12	Φ0.5 Φ1 Φ2 Φ3 Φ6 Φ8 Φ10 Φ13 Φ20 Φ25 Φ30 Φ40	Φ20X20 Φ25X25 Φ30X30 Φ40X40 Φ50X50 Φ60X60

General Specifications of Microcrystalline Wear-resistant Alumina Lining Brick

NAME	Length	Width	Specification
Alumina Lining Brick	150 X 40 150X50 150 X 60 150 X 70 150X80 150X90 150X100	45/50 X 50 45/50X50 45/50X50 45/50X50 45/50X50 45/50X50 45/50X50	H 40 H 50 H 60 H 70 H 80 H 90 H100



To obtain the maximum quality on your products

*Burners and special pieces in silicon carbide*



For more than 10 years We Are Import SiSic materials made of high-density silicon carbide (Si-SiC). Production is focussed primarily on the manufacture of an extremely vast array of burner nozzles, including the latest generation of self-recuperative type. The other products included in the range are: couplers, cap locks and heat exchangers. By working continuously and constantly with the customer, we are able to customize production according to individual requirements.



Physical and chemical properties

	Si - SiC
Weight /Volume ratio (g/cm <sup>3</sup> )	3.01 - 3.05
Apparent porosity (%)	0
Absorbed water (%)	0 - 0.5
Cold bending strength (N/mm <sup>2</sup> )	200 - 220
Thermal expansion 20 – 1000 °C (K x10 <sup>-6</sup> )	4.6
Maximum operating temperature (°C)	1380