



FIESC SENAI

A FORÇA DA INDÚSTRIA CATARINENSE

D1.3.Database of exiting EU and LA networks concerning MACs
useful for potencial stakeholders

The Technic Ceramic in Brazil

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National Panorama

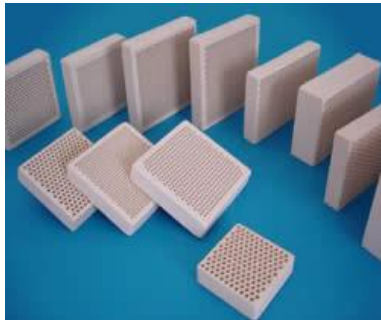
**Technic/Advanced Ceramic 15 corporations
operate in this segment in Brazil**

The main are:

CERÂMICA CHIAROTTI

Jaguariúna – São Paulo – Brazil

The Company: Operates in the industrial segment of Technical Ceramics and Ceramic Filters for foundry, supplying appliance industries, appliances, electronics, technical lighting, automotive, steel mills, foundries, thermometry, lighting, fuses and resistors.



(Ceramic Filters for foundry)



(Ceramic tubes for resistance)



Ceramic bodies with temp sensors

C H R CERÂMICA TÉCNICA

São Carlos - São Paulo – Brazil

Operates in the domestic and international manufacturing products that are used in ceramic industries, petrochemical, chemical and steel.

PRODUCT: refractory parts produced in high alumina or mullite for industrial applications. Tubes and burners pirometric; Protectors Thermocouple; support for resistance tubes, combustion tubes, pipes igniters, pins, bushings and rods and crucibles.



ENGECEER LTDA

São Carlos – São Paulo – Brazil

The company manufactures and commercializes two distinct lines of products using ceramic materials. The first line of products consists of ceramic powders for polishing hard surfaces, especially glass. The second line consists of sintered ceramic components.

PRODUCT:

Ceramics: Rings and pulleys, nozzles and inserts; shirts; wire guides; pieces of lab, pins, bushings and pistons, seats, pipes and plates.

Polishing: Metallization; flat glass; modeling, ophthalmic lenses and metallography.



JOMON CERÂMICAS AVANÇADAS

Viamão – Rio Grande do Sul – Brazil

Tight control microstructural, specially developed ceramic formulations for each segment, produces components for the oil industry, textile, metallurgy, agriculture and medicine, in addition to manufacturing custom parts.

PRODUCT: Plates and pads wear protection, grommets and wire-guides for the textile industry, components for super abrasive nozzles extrude bricks and tiles, bushings, scraper, tips and devices for protection against abrasive wear, nozzles blasting and parts tailored for various applications.



CERAMTEC

Nova Odessa - São Paulo – Brazil

The activities of CeramTec are present in five markets Automotive, Electronics, Energy and Environment, Engineering and mechanical equipment and medical technology to its overall analysis.

PRODUCT: actuators to substrates stabilized zirconium oxide, for a variety of application areas in constant growth.



actuators



Substrates

OSAKA CERÂMICA AVANÇADA LTDA

LONDRINA - PR - BRASIL

The Company Works in the dental industry, which uses the technology of advanced ceramics (especially manufacturing of zirconia). The main objective of OSAKA is developing and commercializing zirconia products to other markets, especially for household items (cutlery).

(Facas de zircônia)



CELENE

Maracanaú – Ceará – Brazil

The Company: Production of porcelain insulators for medium and low voltage, and ceramic for various industrial uses, sectors electronics, automotive and textiles.

PRODUCTS: Production of various fillings, ceramic towers chemical and petrochemical processing, such as saddles and celenox berl; Raschig rings and Cross-Partition, beads and alumina porcelain balls.



(Rings)



(Sphere)



(Speacial Parts)

CERTEC

Barueri - São Paulo – Brazil

THE COMPANY: develops products in advanced ceramics for any industrial application, replacing traditional ceramics materials for high performance, bringing more efficiency to the manufacturing process. Sectors: Textile, biomedical, metal-mechanic, electro-electronics, valves and housewares.

PRODUCT: Raw materials such as alumina, zirconia, silicon carbide, silicon nitride, titanium, tungsten and ZTA.



Ceramic Knife



**Synthetic Sapphire
translucent alumina**



Valve

MACÉA CERÂMICA - MACÉA CERÂMICA TÉCNICA LTDA

Ipiranga – São Paulo – Brazil

The Company meets the growing demand of industrial sectors such as automotive, aerospace, chemical, mechanical, hydraulic, electronic and medical among others.

Products:



wire guides, Tensioners, Sensors



Wires and cables, pulleys, sheaves

MACÉA CERÂMICA - MACÉA CERÂMICA TÉCNICA LTDA

Ipiranga – São Paulo – Brasil

Produts:



(Faces Rotativas, Multi-molas, Cartuchos)



(Linha Gourmet)

NGK DO BRASIL

Mogi das Cruzes – São Paulo – Brazil

PRODUCT: Technical ceramics: ceramic mills, roller refractory, ceramic tile, ceramic scraper, etc.



MICRON - PULSAR TECNOLOGIA IND. E COM. LTDA

São Paulo – São Paulo – Brazil

THE COMPANY: Development of sprayers for the application of insecticides, fungicides and inoculants cupinícidas liquids in furrows.

PRODUCTS: Spray with ceramic's nozzle



INCER INDÚSTRIA NACIONAL DE CERÂMICA LTDA

Cotia São Paulo - Brazil

PRODUCT: Refractories in cordierite, mullite, zircon, sand alumionosos and high-alumina, and soapstones and porcelain for electrical materials.



(Cordierite, mullite, zircon and silico-aluminous)



(wire-guides etc.)

REFRATÁRIOS CUMBICA LTDA

Guarulhos-São Paulo – Brasil

PRODUCT: flat ceramic tubes, ceramic tubes threaded tubes and cartridges for electric appliance, heads for pipes, special parts, etc..



Flat ceramic tubes



special parts

SCAN CERÂMICA - COODER TRADING DO BRASIL LTDA

Rio Claro – São Paulo – Brasil

Segment flooring, sanitaryware, tableware, companies friction, cereals, fruits, ind. chemical, mining, among others.

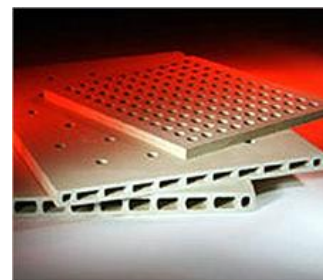
PRODUCT: Refractories; Products Packaging, Equipment, Products for Welding.



Roll Refractory



Roll Pass



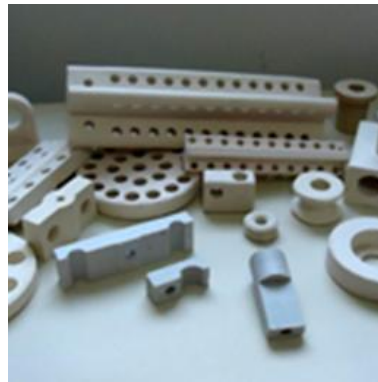
plates

TIPOR- TIPOR TERMO ELETRO ISOL.E PORC.LTDA

São Simão – São Paulo – Brasil

The Company manufactures ceramic for various industrial segments.

PRODUCTS:



Obrigada pela atenção.
Gracias por su atención.
Thank you for your attention.

**Senai/Criciúma – SENAI Institute of Technology in
Material**

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