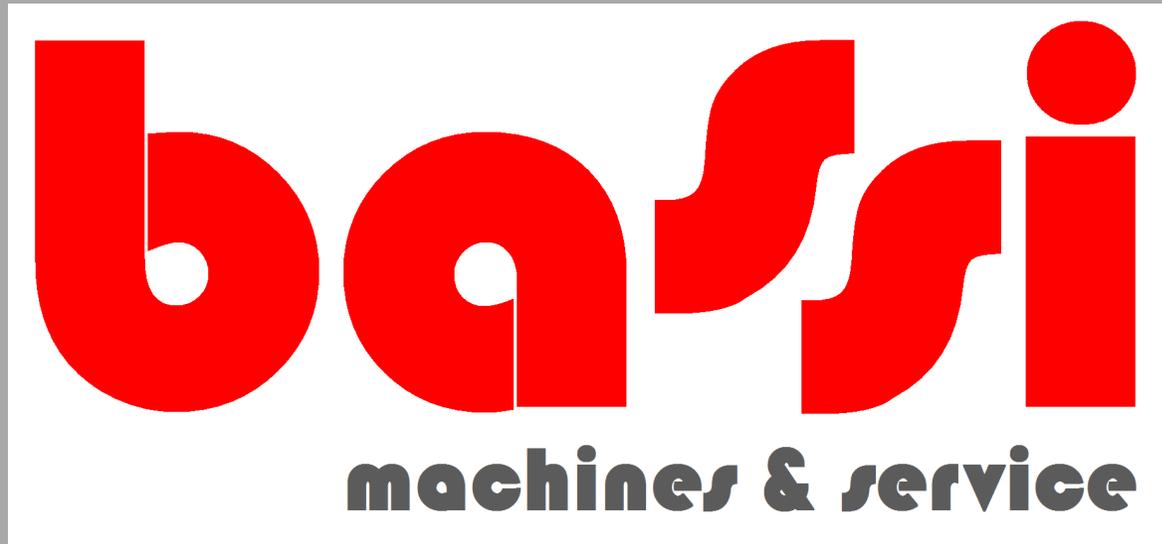


Catalog of Machines



Machines for production of diamond tools

Powder Processing Machines



Mixer - Mixer for metal powders for 2, 5, 10 liters containers, produced to obtain perfectly homogeneous mixtures also in presence of elements with different specific weight.



Bil - Automatic dosing machine for metallic powders, traditional or granulated type with or without rotating plate. Weight accuracy 0.01gr.



Gran - Designed to run automatic granulation processes of metal powders with or without diamond.

Powder Cold Pressing Machines



GCP1 - Gravimetric cold press with compression force of 20 or 40 Tons. The dosing machines are positioned on the left side of the mould, the weight accuracy 0.01 g. The machine has a single powder transportation carriage.



GCP2 - Gravimetric Cold press with compression force of 26 or 42 Tons. The dosing machines are positioned to the left and to the right of the mould, the weight accuracy is 0.01 g. The machine has two independent powder transportation carriage.



VCP6/20 - Volumetric Cold press with compression force of 6/20 Tons, designed for the production of diamond beads or segments with granulated powders single or multi-layer segments.

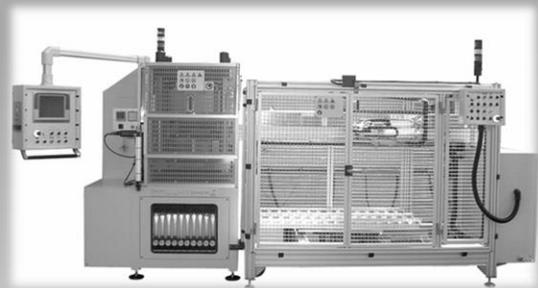
Sintering Machines



Sint 90VDP - Sintering machine with square Vacuum chamber equipped with Digital Power unit. Maximum Power 90 kW, maximum pressing force 38 Tons. (Option 45 Tons)



Sint 150VDP - Sintering machine with square Vacuum chamber equipped with Digital Power unit. Maximum Power 150 kW, maximum pressing force 80 Tons.



Sint 90VDP + CSR Sint30 - Sintering machine with round Vacuum chamber with Loading/Unloading unit up to 30 frames complete of cooling station. Machine equipped with Digital Power unit. Maximum Power 90 kW, maximum pressing force 38 Tons.

Sintering Machines



Sint 150VDP + CSR Sint 30 - Sintering machine with round Vacuum chamber equipped with Loading/Unloading unit up to 30 frames complete of cooling station. Machine equipped with Digital Power unit. Maximum Power 150 kW, maximum pressing force 80 Tons.



Digital Power Ver 2 - The Digital Power project was developed by KBF S.r.l. to provide an innovative and reliable solution in the management of the power of sintering machines for metal products that can replace the traditional solutions which provide, depending on the sizes, single-phase controls or rectified current. We've created a completely digital control managed by microprocessors that, optimizing the use of IGBT technology, increase the energy efficiency of machinery by reducing their cost of use. The possibility to choose the form of square or sinusoidal wave and the 30 to 100 Hz output frequency increase the flexibility of the digital power and make it more easily adaptable to different loads or work situations. To interface the analog and digital signals with external control electronics and to display and insert the working parameters, we chose to use a Touch-Plc for its high versatility and the possibility to connect it with a remote management .



Brazing Machines



BRM 2000 - Manual brazing machine for saw blades from Ø 230mm up to 2000mm and linear gang saws. The machine can be sold with or without HF generator.



Bra1 & 2 - Automatic brazing machine with 1 or 2 head for saw blades from Ø 230 up to 1600/2000mm.



Bra1 + Lama - Automatic brazing machine for linear gang saw.

Brazing Machines



Bra1-CD - Automatic brazing machine for core drills from \varnothing 80 up to 500/800mm.



DBR 2000 - Automatic debrazing machine for saw blades from \varnothing 230 up to 2000mm.

Tensioning Machines



Ten 1600H - Hydraulic tensioning machine for saw blades from Ø 300 up to 1600mm.



Cten-PC - Electronic tensioning control with PC for saw blades from Ø 230 up to 2000mm.

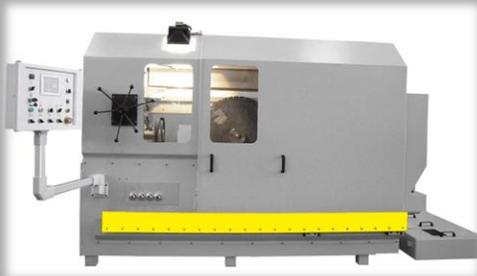


Ten1600-PC / Ten2200 PC – Full automatic tensioning machine for saw blades from Ø 300 up to 1600mm or up to 2200mm.

Grinding Machines



Grind 800 – Automatic grinding machine for saw blades from Ø 115 up to 800mm, with or without loading/unloading unit.

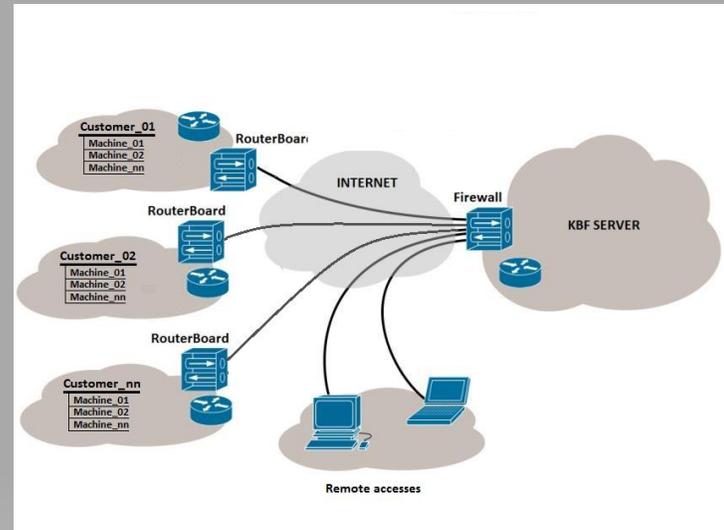


Grind 1600/2000 – Semiautomatic/Automatic grinding machine for saw blades from Ø 300 up to 1600/2000mm.

Machine connectivity:

Each machine is ready to be connected via a bridge to the local network and, at the same time, with the other machines of the company and to an external network completely separate from the company one through the "KBF by side" system.

The RouterBoard connected to the machines create and control the VPN (Virtual Private Network) connection through SSTP protocol (Secure Socket Tunneling Protocol) which our server.



Software developed by KBF S.r.l.

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