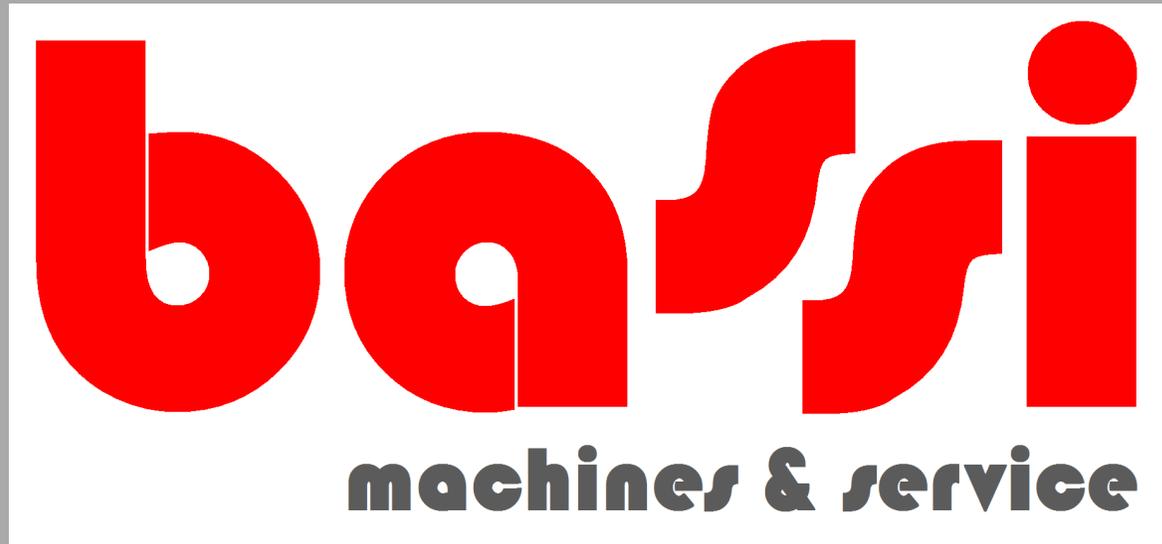


Examples of machines we have rebuilt



Machines for production of diamond tools

Powder Processing Machines



Brutus Idea / 43 TM Sintris - 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.



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



Powder Cold Pressing Machines



Morphos1 Idea- Gravimetric Cold press with compression force of 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.

Sintering Machines



Vulcan 90VDP Idea- Sintering machine with round Vacuum chamber. Machine equipped with New Digital Power unit. Maximum Power 90 kW, maximum pressing force 38 Tons.



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

Digital Power for Sintering Machines



Digital Power - 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



Teseo 2 Idea - Automatic brazing machine with 2 head for saw blades from Ø 230 up to 1600/2000mm.



Teseo 1 Idea + Temnos - Automatic brazing machine for linear gang saw.



Car13034 Arga - Automatic brazing machine with 1 head for saw blades from Ø 230 up to 2000mm.

Tensioning Machines



Memos2-PC Idea – Full automatic tensioning machine for saw blades from Ø 300 up to 1600mm.

Grinding Machines



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

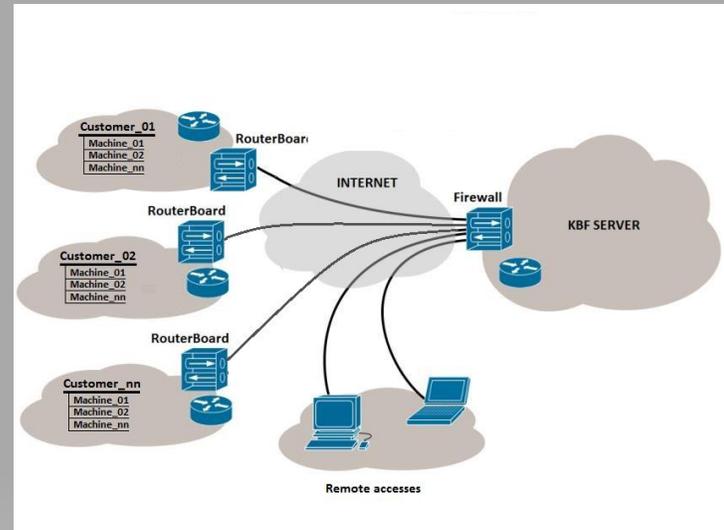


GrindR10 – Automatic grinding machine for saw blades from Ø 300 up to 2000mm.

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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