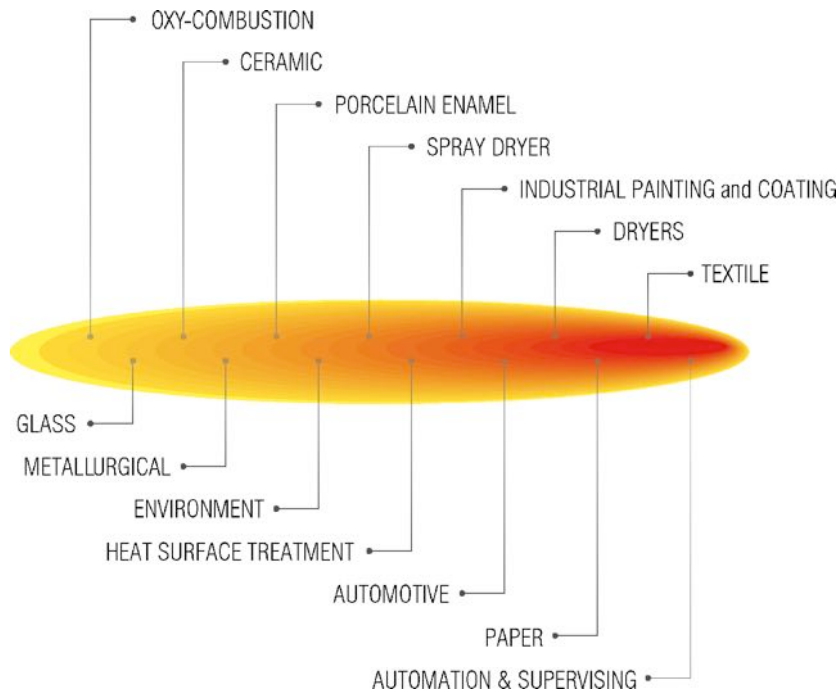




INDUSTRIAL COMBUSTION SECTORS OF APPLICATION

The experience, matured in these years of working exclusively on the area of the industrial combustion, gives us the way to deal with enthusiasm the challenges of a market in continuous evolution, more and more dedicated to the research of even new solutions for the energy saving, reduction of the operating costs and the new frontier of the alternative fuels utilization.

Our combustion systems are principally based and dimensioned to satisfy the needs of the industrial thermal processes on which they are installed.

NBP can realize combustion systems, in accordance with the received inquiries, also throughout a proper selection of dedicated devices with the scope to render them the most appropriated ones for the installation in subject.



TEXTILE



- Working temperatures: $100^{\circ}\text{C} \div 250^{\circ}\text{C}$
- Types of Burners:
Radiant tube burners - High ratio monoblock burners - Infrared burners
- Model of the main burners:
BP N TR / BP R TR (properly equipped) - **BP R** - **IR / MFE**
- Type of combustion systems:
Systems of more burners working together (possibility to order the radiant tube also), Infrared complete systems

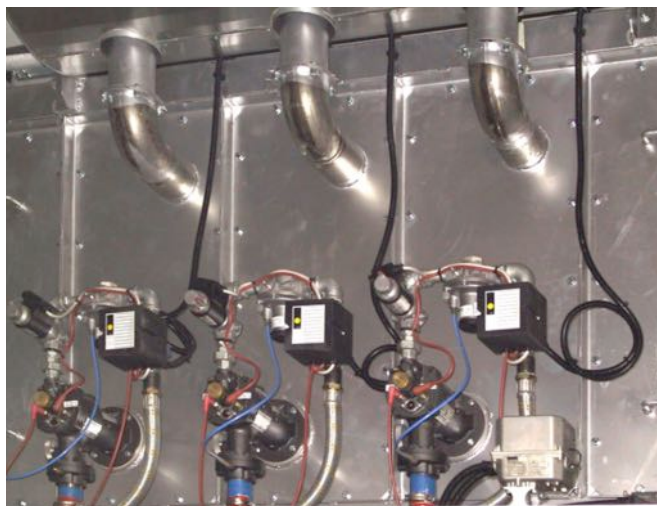


PAPER



- Working temperatures: $100^{\circ}\text{C} \div 200^{\circ}\text{C}$
- Types of Burners:
Radiant tube burners - High ratio monoblock burners - Duct burners
- Model of the main burners:
BP N TR / BP R TR (properly equipped) - **BP R** - **BVA ADB / GVA**
- Type of combustion systems:
Systems of more burners working together, Infrared complete systems, Duct burners systems equipped for the specific use

DRYERS



- Working temperatures: 80°C ÷ 250-300°C
- Types of Burners:
Duct burners - High ratio monoblock burners - Medium velocity burners

- Model of the main burners:
BVA ADB - GVA / BP R / N TR / IR
- Type of combustion systems:
GVA hot gas generator - BP R fully equipped - Systems of more burners working together

- Working temperatures: 20°C ÷ 250°C ÷ 850°C
- Types of Burners:
Duct burners - High ratio monoblock burners - Post Combustor burners

- Model of the main burners:
BVA ADB / BP R / FC
- Type of combustion systems:
Supply of big surface duct burner fitted for large quantity of process air to be installed at service of the preparation and painting zones, customized of the main burners suitable for the oven installation, incinerator systems for VOC and other toxic waste gases



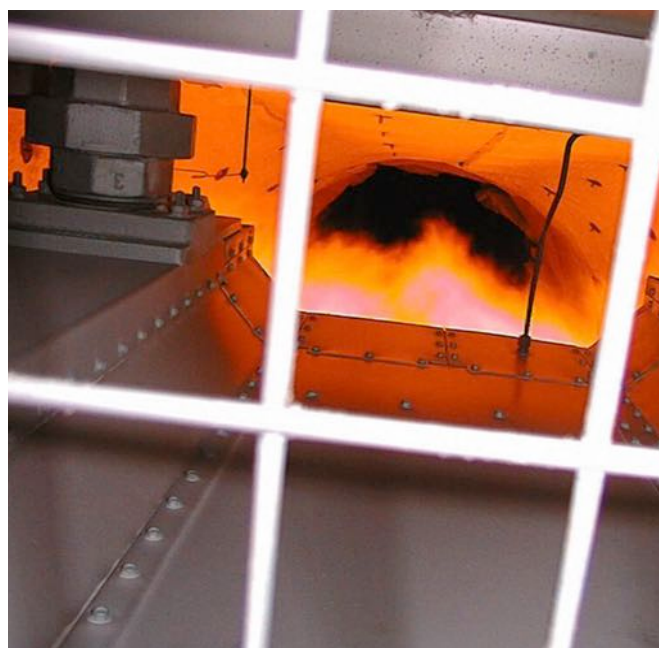
HEAT-SURFACE TREATMENT



- Working temperatures: 100°C ÷ 600°C
- Types of Burners:
Radiant tube burners - Infrared burners - Medium velocity burners - Duct burners

- Model of the main burners:
N TR (Properly equipped) - **IR / MFE** - **BP N** - **BVA ADB / GVA**
- Type of combustion systems:
Systems of more burners working together (possibility to order the radiant tube indirect and for immersion also), Infrared complete systems (also complete machine), single burners fully equipped and ready for operating

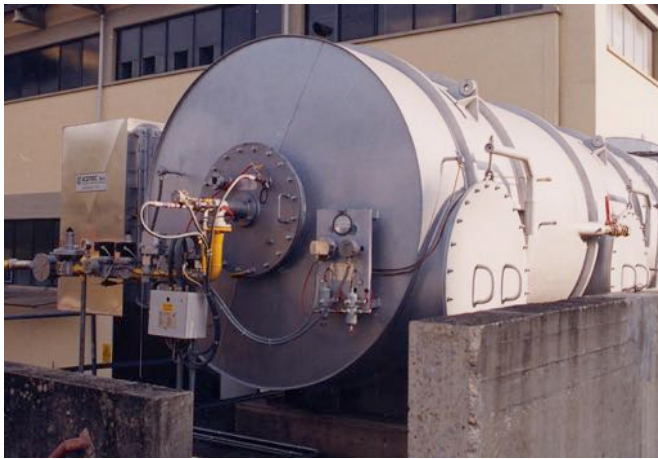
SPRAY DRYERS



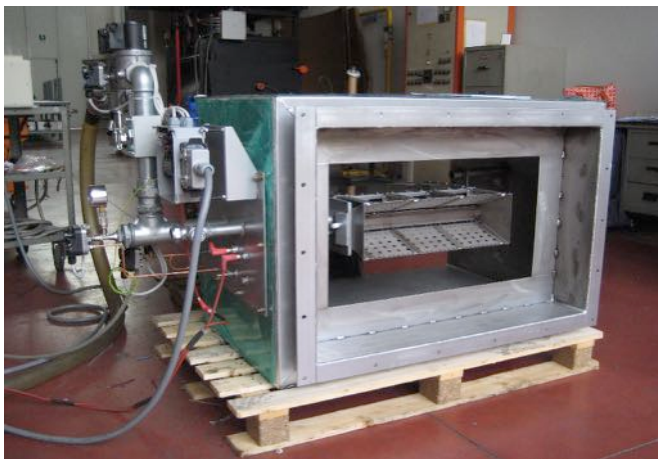
- Working temperatures: 580°C ÷ 650°C
- Types of Burners:
Duct burners - Monoblock burners

- Model of the main burners:
BVA ADB / GVA - MB G
- Type of combustion systems:
GVA hot gas generator - MB G complete with CSD

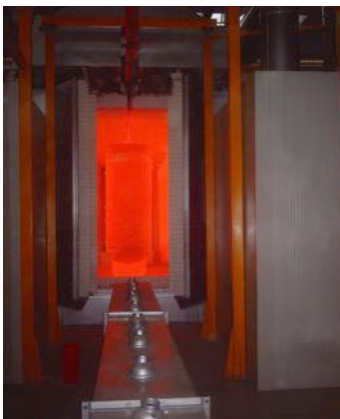
ENVIRONMENT



- Working temperatures: 750°C ÷ 850°C
- Types of Burners:
High ratio monoblock burners - Duct burners - Post Combustor burners
- Model of the main burners:
BP R - BVA ADB / GVA - FC
- Type of combustion systems:
Incinerator systems for VOC and other toxic waste gases, dedicated combustion systems properly developed for the creation of alternative fuels and their utilization



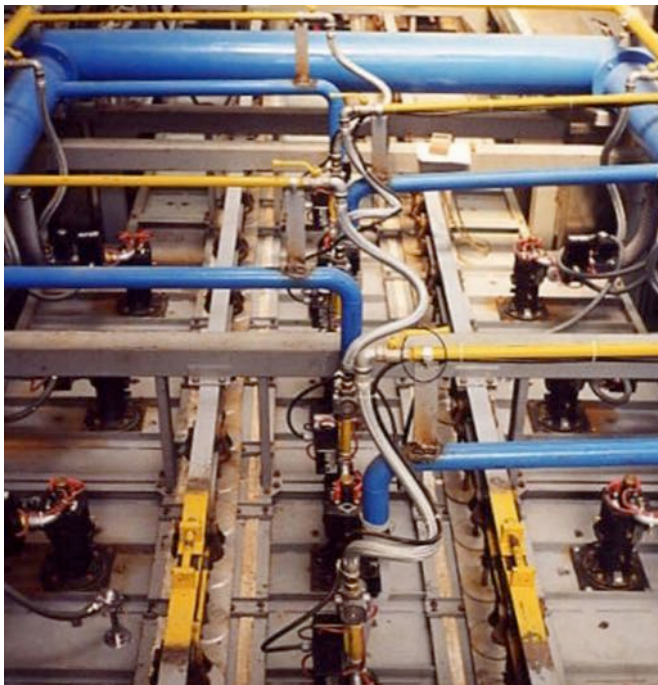
PORCELAIN ENAMEL



- Working temperatures: $780^{\circ}\text{C} \div 800^{\circ}\text{C}$
- Types of Burners:
Radiant tube burners

- Model of the main burners:
BP N TR / BP TR / BP RB *Properly equipped*
- Type of combustion systems:
Systems of more burners working together (possibility to order the radiant tube also), Recuperative burners available

METALLURGICAL



- Working temperatures: 600°C ÷ 900°C
- Types of Burners:
Medium & High velocity burners
- Model of the main burners:
BP M / BP N properly equipped
- Type of combustion systems:
Systems of more burners working together

CERAMIC



- Working temperatures: $1100^{\circ}\text{C} \div 1260^{\circ}\text{C}$
- Types of Burners:
High velocity burners
- Model of the main burners:
BP M / BP N
- Type of combustion systems:
Systems of more burners working together



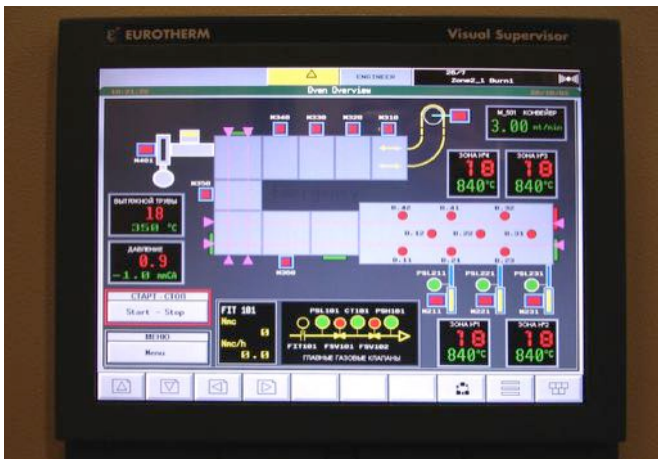
GLASS



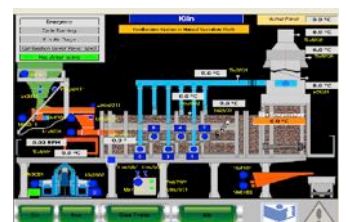
- Working temperatures: $1500^{\circ}\text{C} \div 1550^{\circ}\text{C}$
- Types of Burners:
Medium velocity burners - Oxy-fuel systems
- Model of the main burners:
BP NAT (pre-heated comb. air) - **BP MOL**
- Type of combustion systems:
Systems of more burners working normally combined with a distribution skid for the right management of the different fuels and comburents



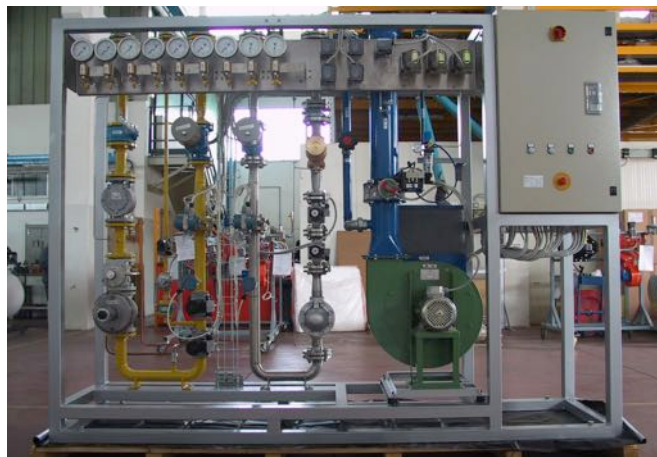
AUTOMATIONS



- Working temperatures: any
- Types of Burners: any
- Model of the main burners: any
- Description:
Control panels engineered for the management of the all different industrial systems, combustion or automation, are well integrated and showed on our synoptic (local control trough touch-screen or remote control trough personal computer)



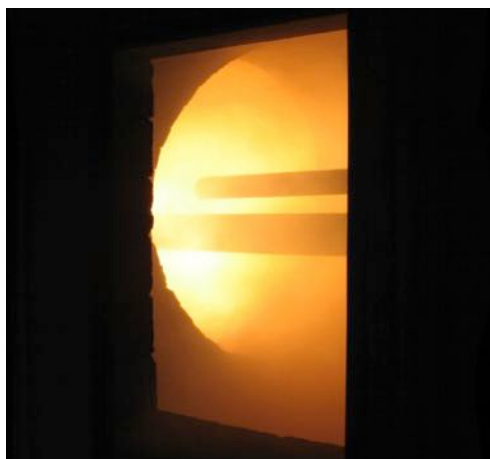
OXY-COMBUSTION



OXY-COMBUSTION



- Working temperatures:
1500°C ÷ 1600°C
- Types of Burners:
Oxy-Fuel burners
- Model of the main burners:
BP MO L in the different available configuration (contact us!!)
- Type of combustion systems:
Distribution panel with skid dimensioned in accordance with the needs of the furnace and the process where they will be installed, a complete management system (BMS) that will be well integrated with the logic of the plant





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Con riserva di modifiche - Subject to modifications