

# MESH BELT FURNACES



Advanced  
Industrial  
Furnace

**Dynamism, professionalism,  
research and development,  
technology,  
IVR as a benchmark.**



# MESH BELT FURNACES



Standard dimensions of our mesh belt furnaces:

Mesh belt furnace for gas carburizing quenching and hardening	belt width	length of heating zone	max. working temperature	production per hour
IVR-MBA-5-1-33	500mm	3300mm	1050°C	200 kg.
IVR-MBA-5-1-47	500mm	4700mm	1050°C	300 kg.
IVR-MBA-6-1-33	600mm	3300mm	1050°C	300 kg.
IVR-MBA-6-1-47	600mm	4700mm	1050°C	400 kg.
IVR-MBA-6-1-70	600mm	7000mm	1050°C	500 kg.
IVR-MBA-7-1-47	750mm	4700mm	1050°C	350 kg.
IVR-MBA-7-1-57	750mm	5700mm	1050°C	500 kg.
IVR-MBA-7-1-60	750mm	6000mm	1050°C	600 kg.
IVR-MBA-7-1-77	750mm	7700mm	1050°C	750 kg.
IVR-MBA-7-1-93	750mm	9300mm	1050°C	900 kg.
IVR-MBA-9-1-60	900mm	6000mm	1050°C	750 kg.
IVR-MBA-9-1-77	900mm	7700mm	1050°C	900 kg.
IVR-MBA-9-1-93	900mm	9300mm	1050°C	1200 kg.

Mesh belt furnace for tempering	belt width	length of heating zone	max. working temperature
IVR-MBT-7-1-45	700mm	4500mm	750°C
IVR-MBT-7-1-60	700mm	6000mm	750°C
IVR-MBT-10-1-60	1000mm	6000mm	750°C
IVR-MBT-12-2-80	1200mm	8000mm	750°C
IVR-MBT-12-2-100	1200mm	10000mm	750°C

NB: other dimensions are possible and achievable according to the client's needs and specifications

IVR realize mesh belt furnaces, for the treatment of details such as bolts, screws, and big production batches of small metal parts. It is possible to process articles with a length up to max. 250 mm and unitary weight up to 1 kg.

Possible heat treatments: hardening, gas carburizing, carbonitriding annealing, quenching in oil, polymers and salt, tempering, atmosphere cooling with or without natural channels or rapid cooling channels.

The furnaces can work with a protective atmosphere of nitrogen methanol or endogas. As gas or means of enrichment can be used methane or propane, ammonia and air.

The lines can be completed with pre-and post-washing systems, loading and unloading systems, automation of the entire working process.

Particular attention during the design and development phase, to achieve maximum energy saving and recovery, guaranteeing high quality treatment results.

The dynamism, professionalism and timeliness that characterize IVR, allow the development of projects aimed at helping its customers to modernize their production processes, an important tool for gaining competitiveness on national and international markets.

