

Services

Design Engineering

➔ Once we receive a request, Meccanotecnica engineers conceptualize and draft designs rapidly and efficiently. We then create the designs in full 3D forms, using a powerful tool known as “VISI”, from Vero, which allows customers and designers to easily visualize their final product. Once our 2D and 3D designs are finalized, they are sent to Meccanotecnica’s shop for production.

Analysis

➔ Our products often require a series of analysis. Through strict adherence to hand calculations and required guidelines, Meccanotecnica’s expert engineers assess product precision, seeking to optimize all products, per customer requests, with timely updates during the redesign and finalization stages.

Manufacturing

➔ Our manufacturing abilities and strict adherence to quality is second to none. MR’s machine shops is equipped to produce a wide variety of machines to fulfill the various needs of our customers. Furthermore, our streamlined production process requires engineers and workers to act closely in order to prevent errors. We believe that close communication among employees and with customers is crucial to ensuring quality and timely products.

Production

Extruder Die Plates:

- manufactured directly or repaired for emergency maintenance
- fully satisfy technical requirements
- 150-1000 mm diameter
- cutting surface composed of a mosaic of tungsten carbide bushings set
- brazed and welded with silver alloy to maintain a wear-and-tear proof surface
- tested at pressures of over 60 bar

Spare Parts:

- we manufacture shafts, racket rings, bushes, valves, hinges, and more
- high precision grinding down and lapping of rods and bushes for compressors in steel and tungsten carbides
- grinding down of valve components
- grinding down of thrust-bearing blocks for turbines

Rubbles:

- braised rubbles of tungsten carbide
- white metal rubbles, anti-friction with centrifugation, with sprat, by casting, or by drop
- rubbles by wire, electrode, and TIG.
- rubbles with with various types of ceramic dust

ENT:

- special components and equipment for the electronics industry
- components for steel frameworks
- manufacturing knives for slicing machines and head knives for plastic materials
- special equipment and mechanical parts according to customer drawings
- manufacturing heads for polymer extrusion
- boring bars and stand tools for special machines
- shock absorbers for valves

Wear & Tear Parts:

- sliding guide, as well as guides for grinding down parts
- counter points and guide bushes

Melting Elements:

- melting rotors, supports, and other elements in iron, aluminum, bronze, stainless steel, and special steel castings