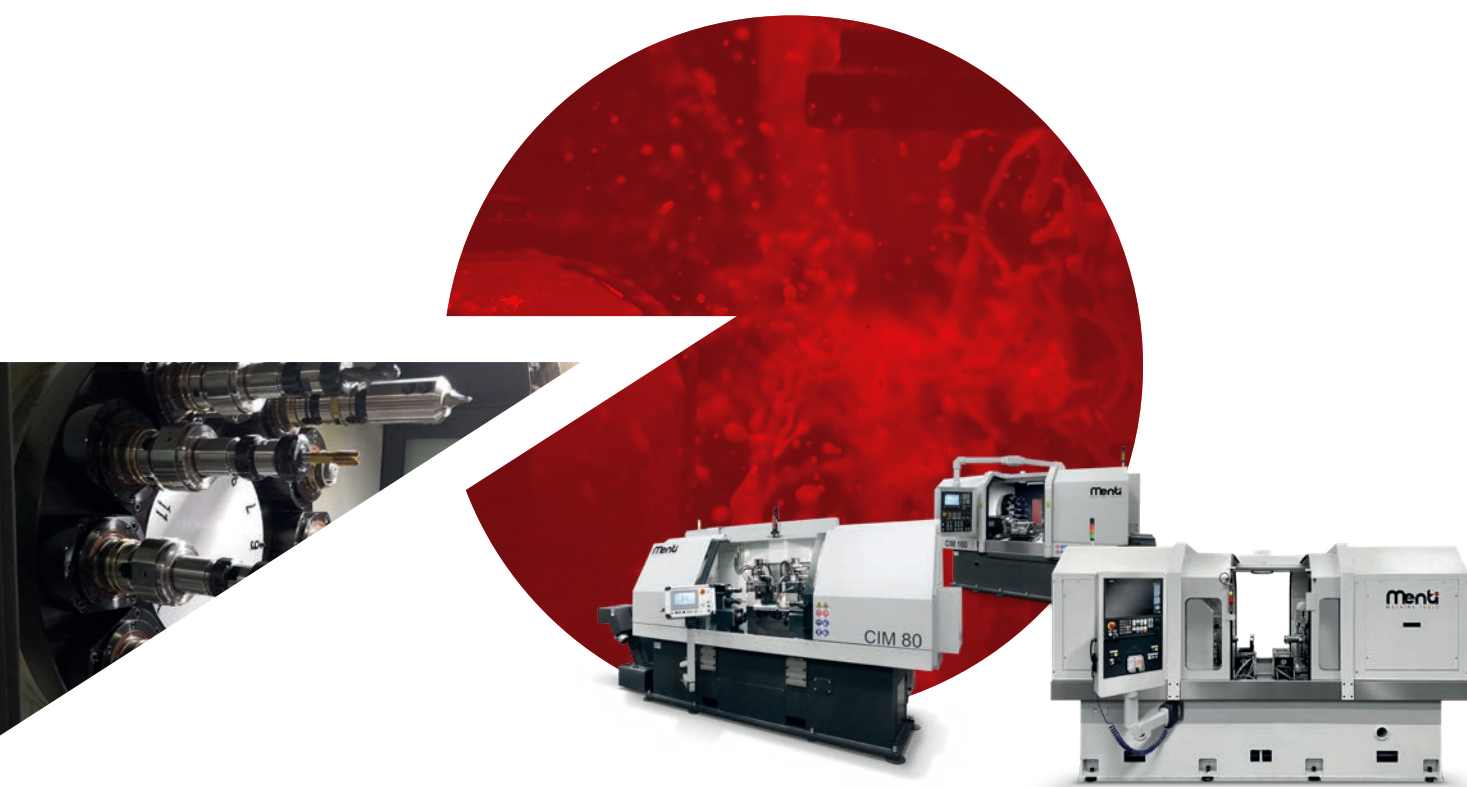


THE DEVELOPMENT OF THE CENTRING-FACING MACHINES



MENTI MACHINE TOOLS



MENTI Machine Tools designs and produces a series of Machine Tools and Machining centres specifically for processing bar ends, crop ends, pressed shafts and pipes.

Menti machines for machining ends are mainly for companies that produce typical shafts for these sectors:

- **Electric motors – Pumps – Compressors**
- **Internal combustion engines:** crankshafts, camshafts
- **Agricultural machines:** pinions and drive shafts
- **Heavy equipment:** drive shafts, hydraulic cylinders and rods
- **Pipes:** Hydraulic cylinders; Minipiles for foundations.

MAIN MACHINING:

- Facing
- Drilling and tapping, even rigid
- Deep drilling
- Interpolation milling on ends, inner and outer threads, holes, flat surfaces, hollows and any other machining that can be done frontally with 3 axes (X-Y-Z)
- Boring



OUR CENTRING-FACING MACHINE SOLUTIONS

FIRST OF ALL, AN ACCURATE DESIGN PHASE

The machines are basically made up of a base of various lengths, suitably sized, ribbed and stabilised to give maximum structural rigidity, but also to ensure optimal shaving removal.

Each of the two units, which are opposite each other, is moved by one, two or three CNC axes, even interposed.

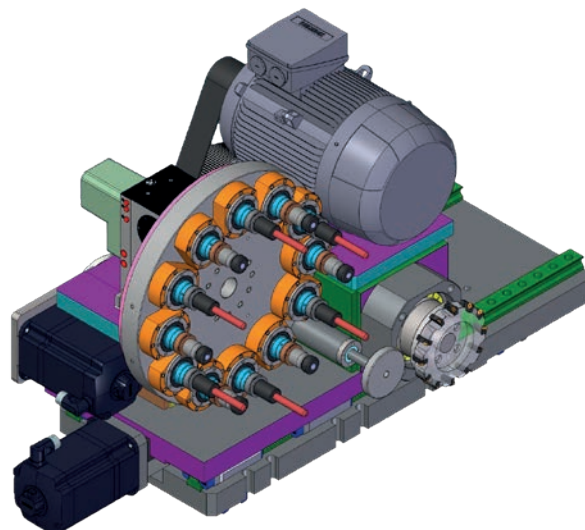
The movement axes have sliding guides with roller recirculation rails and ball screws, suitably sized to give maximum rigidity and precision.

The machines have sturdy cutting spindles that can be mounted on multi spindle heads or single spindle heads with tool change for milling, spot-facing, contouring, drilling and tapping.

- **Piece locking systems**, with self-centring vices or specific systems, to obtain the correct division of the stock allowances on moulded parts, e.g. cam shafts, etc.
- Machine package manager, CNC motors and **SIEMENS** drives; the **FANUC** package is available as an alternative if requested.
- The machines have enclosures, with doors that open manually or automatically, and all the safety systems required to comply with current CE directives in force.
- The machines have dedicated **automatic loading/unloading systems** or Robots.
- **Solutions** that are **personalised** according to the client's needs

WORKABLE PIECE SIZES

DIAMETER	from 10	to 250 mm
LENGTH	from 100	to 5000 mm
HOLE SIZE	from 5	to 36 mm
TAPPING	from M5	to M36
SPINDLE POWER	from 5	to 18 kW (S1)

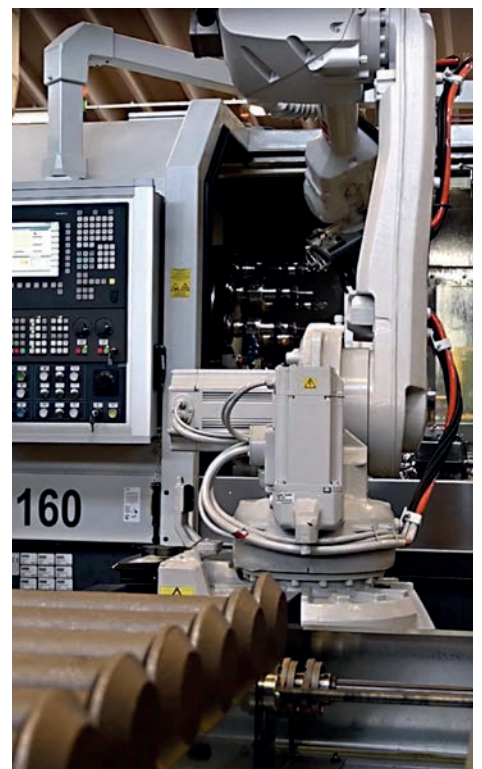
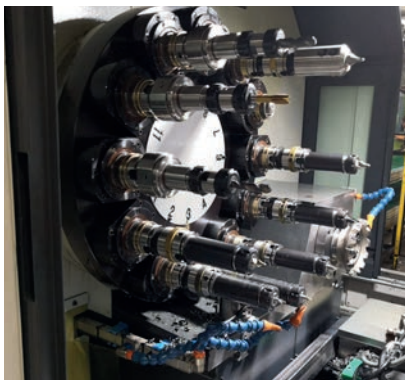
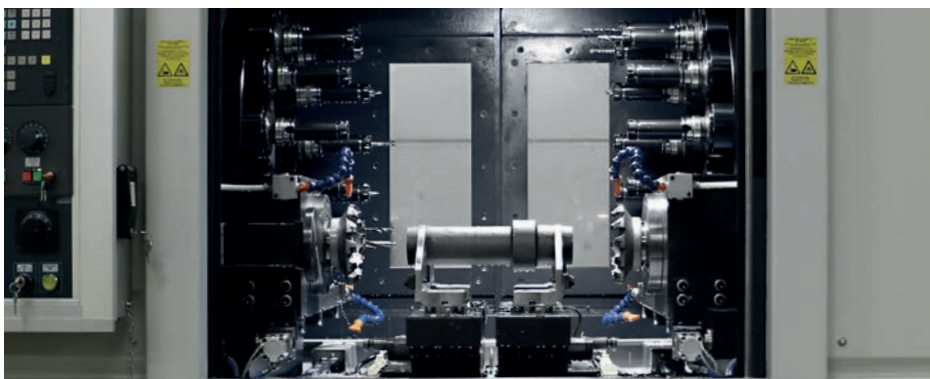


CENTRING-FACING CENTRE

Next generation equipment for machining ends.

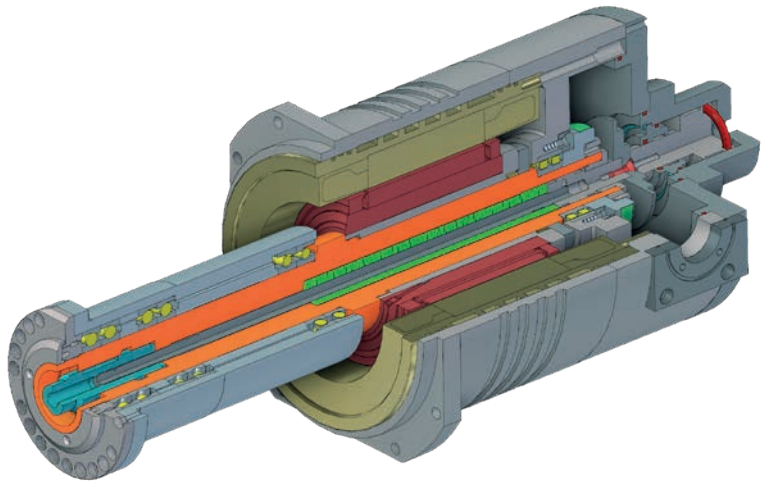


Some machining particulars



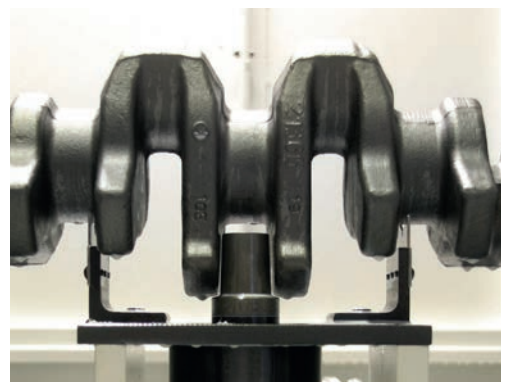


Example of an Electro spindle, HSK63, 11 kW,
with internal coolant feed, available on our machines.



OTHER AVAILABLE SPINDLES
ISO 40 / ISO 50 / HSK 63 / HSK 100

Some examples of products made using our machines



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001



The technical data and product characteristics in this catalogue are understood as indicative and non-binding. Therefore, M Services reserves the right to modify them at any time, without notice. The technical drawings and information contained in this document are owned by M Services Srl.
Rights reserved for legal terms.
Menti Machine Tools / M Services S.r.l.

Menti Machine Tools
is a brand of M Services S.r.l.



M Services s.r.l.
Via Silvio Pellico, 6
36075 Montecchio Maggiore (Vicenza) Italy
Tel. +39 (0)444 653004 - Fax. +39 (0)444 695123
info@mentimachinetools.com
www.mentimachinetools.com