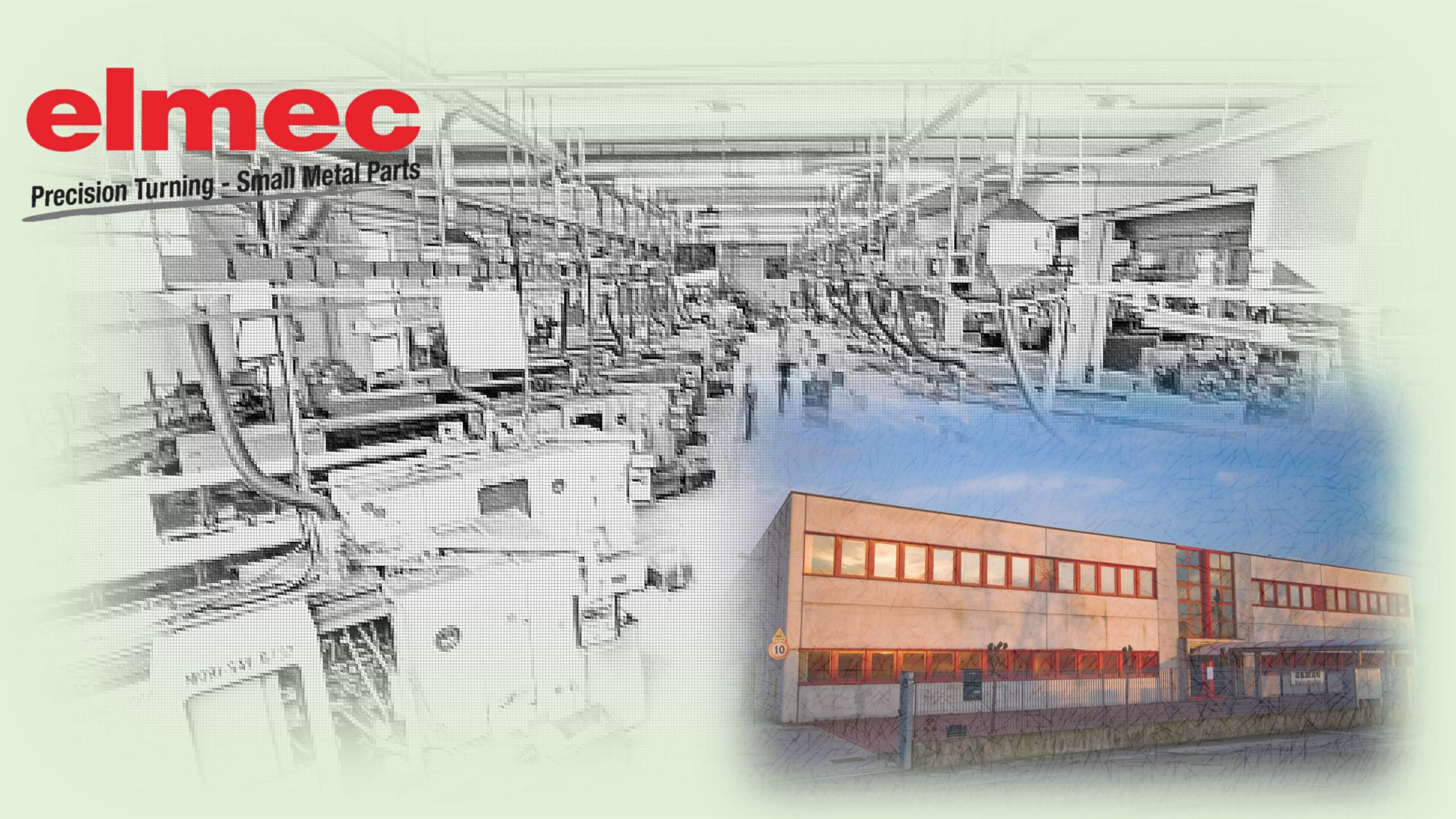
elmec

Precision Turning - Small Metal Parts



About Us

- Elmec is on the market since 1979.
- We work in a property building of 4.300 sqm.
- We are 38 people working in 2 shifts 5 days per week.
- Specialized in precision turning of small metal parts made from rod, working on specific customer orders for the production of medium and large batches.
- Consolidated pluriannual experience in precision turning with 29 automatic multispindle lathes ranging from 8 to 44 mm. in diameter.
- CNC department consisting of sliding headstock lathes ranging from Ø4 to Ø32 mm. and CNC fixed headstock lathes up to Ø65 mm.
- We are certificated ISO 9001:2015 since 1999.

Certification

- Quality Management System certificated since 1999
- Quality Management System in Elmec is certificated by DNV-GL in accordance to ISO 9001:2015

DNV

MANAGEMENT SYSTEM

CERTIFICATE

Certificate no.:
CERT-10116-2002-AQ-VEN-SINCERT

Initial certification date:
12 February 2002

Valid:
15 November 2021 – 14 November 2024

This is to certify that the management system of

ELMEC S.r.l.

Via dell'Artigianato, 34 - 36043 Camisano Vicentino (VI) - Italy

Workable Raw Materials

- BRASS
- *CW614N UNI EN 12164 (CuZn39Pb3)*
- *CW617N UNI EN 12164 (CuZn40Pb2)*
- *CW602N ADZ (CuZn36Pb2As)*
- *CW724R ECOBRASS (CuZn21Si3P) – ONLY ON CNC –*
- ALUMINUM
- *EN AW 2011*
- *EN AW 2033 (Lead Free)*
- *EN AW 6026LF*
- ALLOY STEELS
- AUTOMATIC STEEL
- *11SMnPb37 – EN 10087 (AVP)*
- *11SMn37 – EN 10087 (AVZ)*
- *11SMnPb30 – EN 10087*
- *11SMn30 – EN 10087*
- *36SMnPb14 – EN 10087 (PR80)*
- STAINLESS STEEL
- AISI303 – 1.4305
- AISI303Cu – GVR – 1.4570
- AISI304L – 1.4306
- AISI316L – 1.4404

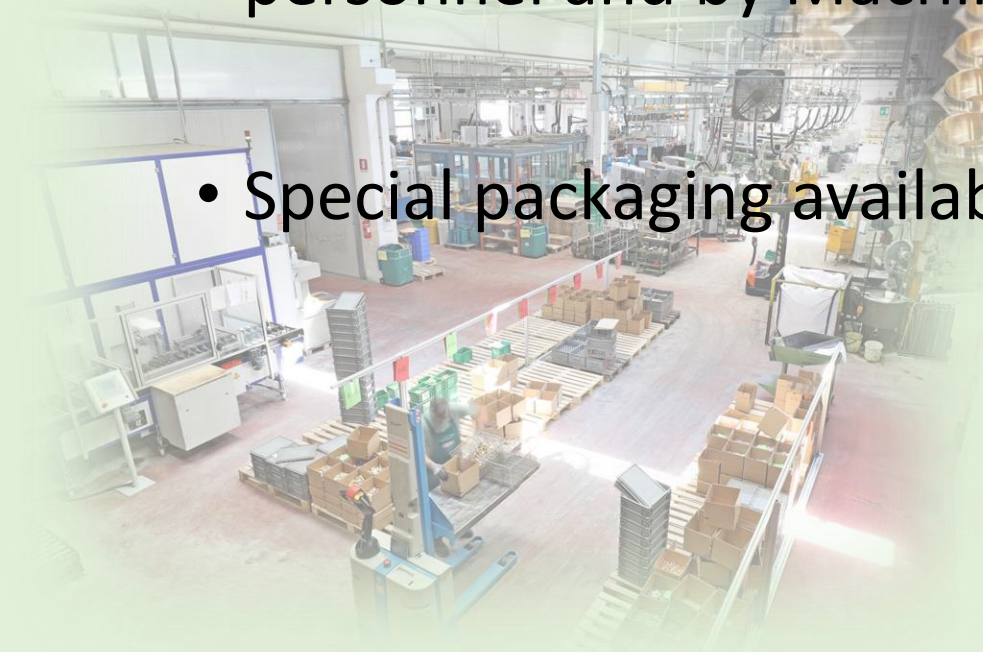
Fleet Of Machines

- AUTOMATIC MULTISPINDLE (6 AND 8 SPINDLES) LATHES
  - 6 spindles ranging from Ø8 to Ø44 mm.
  - 8 spindles ranging from Ø14 to Ø36 mm.

- CNC Sliding Headstock TORNOS Deco 20, Deco 26 and Deco 13 basic
  - 10 controlled axles, ranging from Ø4 to Ø32 mm
  - 6 controlled axles, ranging from Ø4 to Ø16 mm
- CNC Fixed Headstock
  - 5 controlled axles, ranging up to Ø65 mm SPINNER TTS 65 DUPLEX
  - 3 controlled axles, ranging up to Ø65 mm EMCO PADOVANI 365

Cleaning – Final Check – Special Packaging

- Hydrocarbon degreasing plant ECOCLEAN UNIVERSAL 71C
- Final Checking, on 100% of the batch, carried out both by specialised personnel and by Machines (upon customer request)
- Special packaging available upon customer request

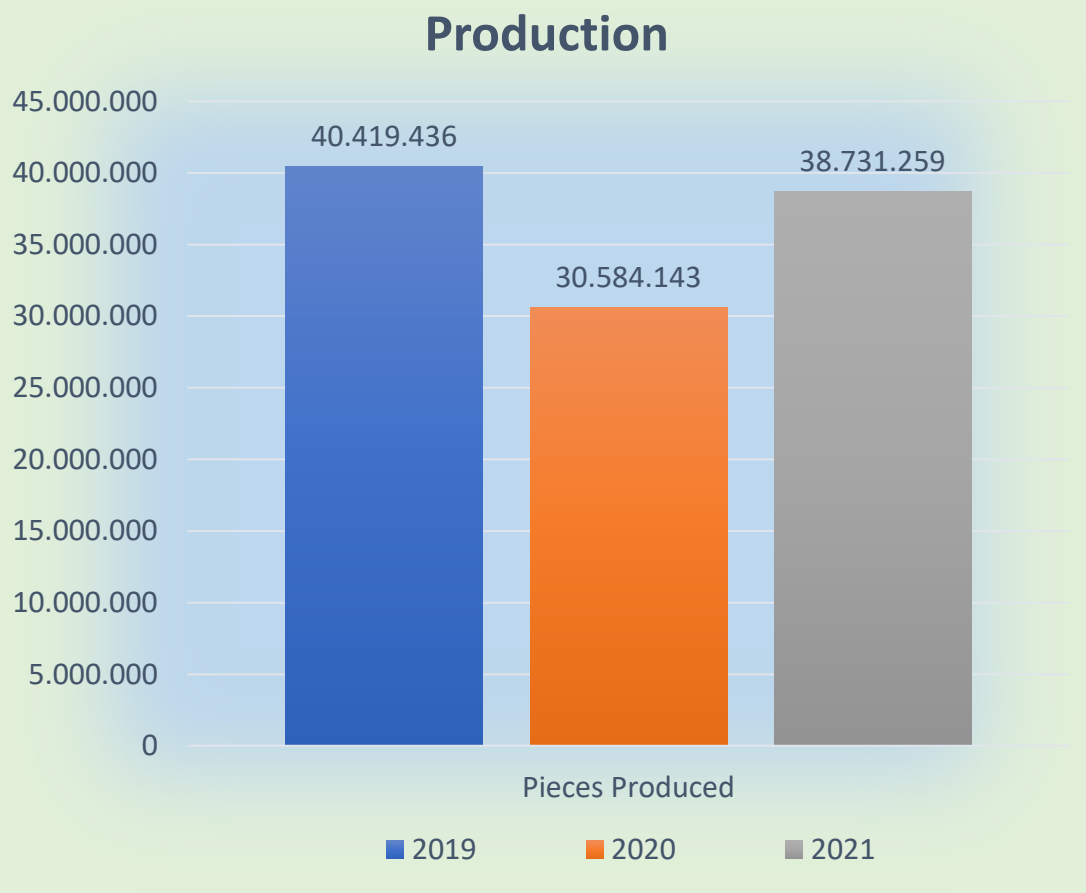
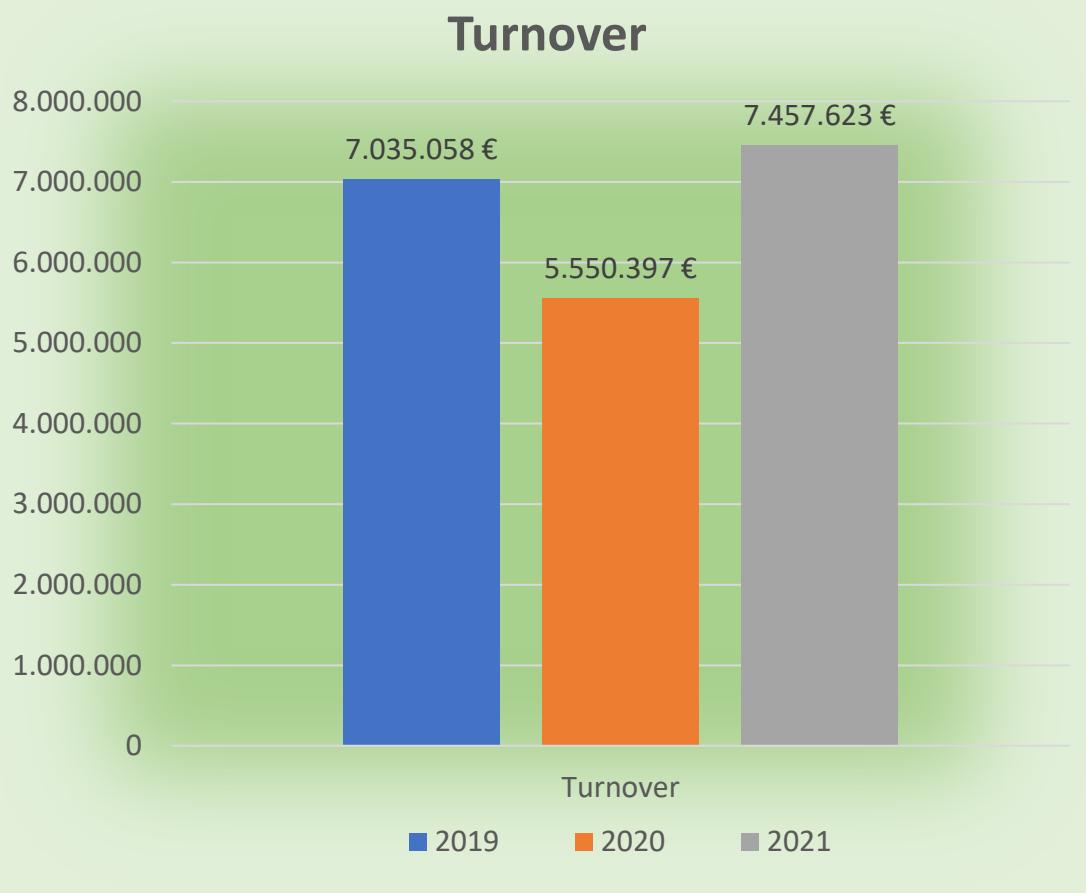


Manufacturing Execution System

- Real-time feedback of requirement changes
- Reduced waste, re-work and scrap, including quicker setup times
- More accurate capture of cost-information (e.g. labor, scrap, downtime, and tooling)
- Increased uptime
- Incorporate paperless workflow activities
- Manufacturing operations traceability

Quality Control

The procedures for the control of the production process cover all the steps from the start-up through the approval to produce, the manufacturing, up to the cleaning, the packaging and the delivering step. Some examples of our instruments:

- Multisensor Measurement System (OGP Smartscope Flash CNC 300)
- Optical Measurement Machines (ViciVision M1)
- Roughness Measurement System Jenoptik

Results Overview