



TECNØSeries

Precision CNC Turning for Series Production

Vila Nova de Gaia, Portugal

[COMPANY PORTFOLIO](#) / [ENGLISH](#)

01 / COMPANY

Precision. Volume. Experience.

Tecnoseries combines precision CNC turning with in-house washing, surface treatment and assembly. Our team has been producing turned parts since 2017; Tecnoseries was formally established in 2026. From Vila Nova de Gaia, Portugal, we supply series-produced components to European customers.

~5 million

parts per year

9

operational CNC lathes

Ø4–42 mm

published turning range



Machine park

MAKE / MODEL	CONFIGURATION	PRODUCTION
DMG Mori & Tsugami	Swiss-type / sliding-head turning	Series production
Tsugami B326	Part of the operational CNC fleet	Series production
Nakamura	Twin spindle / twin turret	CNC turning
Mori Seiki	CNC turning centre	One-off / short runs

Fleet total: 9 operational CNC lathes. Quantities by make are not specified.

From turning to finished parts



01

CNC turning

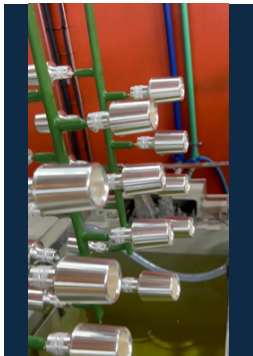
Swiss-type sliding-head DMG Mori and Tugami lathes, including the Tugami B326, support series production. Nakamura twin-spindle / twin-turret turning complements Mori Seiki for one-off parts and short runs.



02

Industrial washing

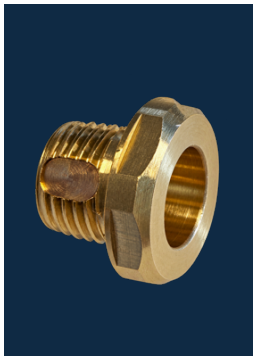
Existing industrial washing systems include worm-screw auger, ultrasonic, vibratory and centrifugal equipment. Cleaning and finishing are defined around the part specification.



03

Surface treatment

In-house silver plating by electrodeposition is operational. Sandblasting / shot-blast surface preparation is also available; the new dedicated area and nickel-plating line remain under implementation.



04

Assembly & automatic screwdriving

Dedicated assembly and automatic screwdriving deliver complete subassemblies, with torque control and customer-specific packaging.

03 / TYPICAL PARTS

Components made to drawing

Brass knurled inserts, pins, spacers, threaded bushings and electrical contact parts are typical of the component families we produce. Geometry, quantities and finishing requirements are reviewed from the customer's technical drawing.



Brass components



Knurled insert · internal thread



Threaded pin · transverse hole



Machined spacer · internal thread



Threaded brass bushing



Turned component selection

04 / DEVELOPMENT

A connected production workflow

In-house cloud ERP supports production management. CNC telemetry monitoring, label printing and batch traceability form part of our digital workflow. The client portal gives customers access to orders, stock, produced quantities and technical drawings.

The wider integration of production and monitoring for a 100% digital factory is in implementation, strengthening traceability and process control.



New plant · implementation in progress

A dedicated facility for precision turned parts and series production will centralise the existing operational fleet. The new nickel-plating line is under assembly; a dedicated sandblasting area is in preparation; modified-alcohol solvent washing is being installed. Chip/swarf treatment systems are planned.

No commissioning date announced. New capabilities are not in regular production.

Why Tecnoseries

Series-production experience since 2017 · **Integrated processes** from turning to assembly · **Direct technical response** and quotation within 24h · **Digital visibility** through the customer portal.

Quality certification is being implemented; certification has not yet been obtained.

Start with your technical drawing

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05 / PHOTO PORTFOLIO

Parts & processes

A selection of real Tecnoseries components, machining operations and surface-treatment processes.



Series production · machined brass parts



Production team · CNC setup



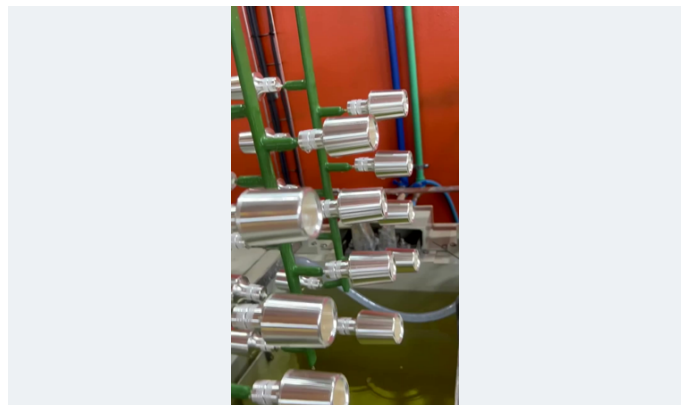
Turned component · detailed geometry



Precision turned component selection



Turning operation · video frame



Suspended parts · treatment line