



EPIC – ONLINE TECHNOLOGY
MEETING ON LASER RANGE
FINDERS AND SPORTS OPTICS

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AT A GLANCE

Tecnottica Consonni was established in 1957 and is now the Italian leader company for the optical market with **65 years of expertise** in the **manufacturing of Optical Components and Systems** for industrial applications.

Tecnottica's Philosophy is based on the concept of working on drawings and **custom specifications**, instead of offering an ordinary products' catalogue.



Our staff (31 people):

- CEO and CFO
- 1 Technical Manager
- 1 Sales Manager
- 3 Production Managers
- 1 QC Manager
- 2 Front Desk Managers
- 1 Coating Designer
- 1 Optical Designer
- 2 Optical Measurements Experts
- 17 Workers (Grinding, polishing, etc...)



OUR MARKETS

- Machine Vision
- Astronomical applications
- Biomedical applications
- Optoelectronics
- Security and Defense
- **Range finders/Sports optics**

MARKETS & PARTNERS OF INTEREST

Market Segments

- Nature Observation
- Nature & Marine Conservation
- Hunting
- Precision Shooting

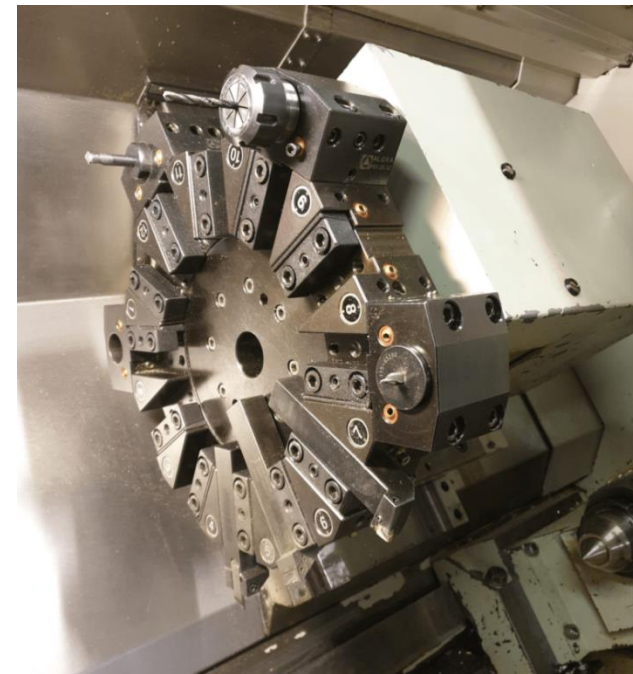
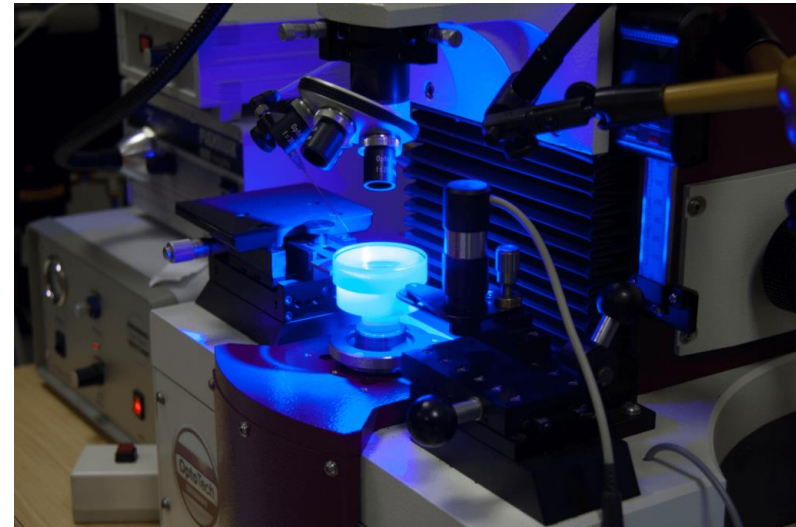
Manufacturers

- Laser Rangefinder & Distance Measurements
- Riflescopes
- Binoculars / Monoculars
- Spotting Scopes
- Thermal Imaging Camera
- Trail Camera



MANUFACTURING AREAS

- Optical manufacturing
- Mechanical manufacturing
- Coating
- Cementing
- Assembly and testing



MANUFACTURING CAPABILITIES



From single prototype up to mass production:

- 5 CNC grinding machines
- 5 CNC polishing machines
- 3 multi spindle traditional polishing machines
- 4 CNC centering machines
- 1 cementing station



PRODUCTS AND SERVICES



Customized **products**:

- **Lenses** (spherical and aspherical)
- Achromats doublets and triplets
- Optical **prisms**
- **Optical filters**
- Optical mirrors
- Reticles
- Plano optics

Our main **Services**:

- Optical design and tolerance analysis assistance
- In-house mechanical manufacturing
- Coating design and deposition
- Opto-mechanical assembly



GEOMETRIES AND TOLERANCES

Dimensional range:

- Diameters from 1.5 up to 310 mm
- Plano optics up to 400 mm (diagonal)

Optical tolerances:

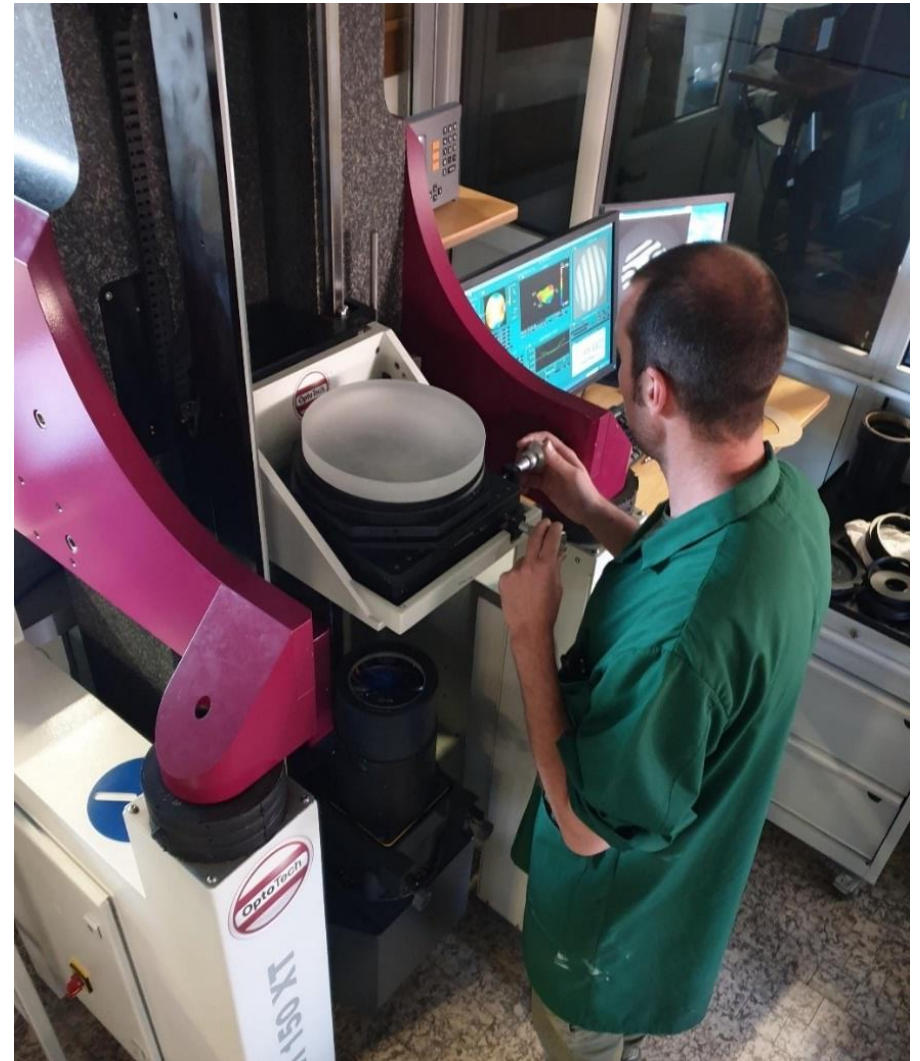
- Flatness up to $\lambda/20$ PV @633 nm
- Centering/Tilt up to 5 arcsec

Materials:

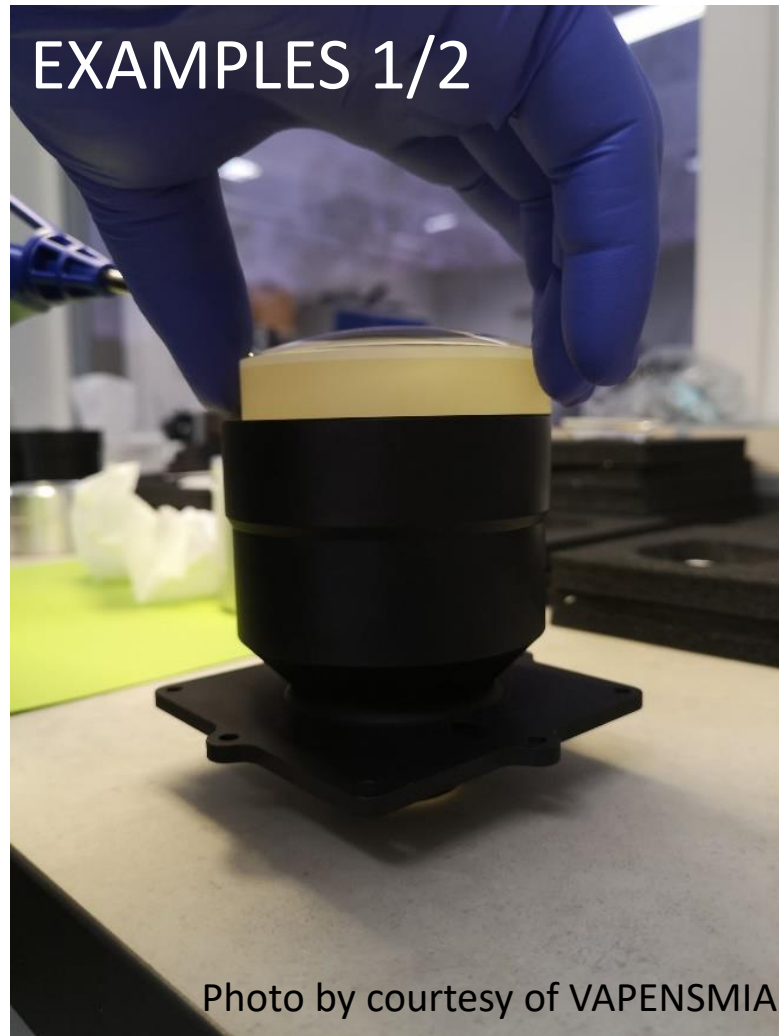
- Optical glasses (SCHOTT, OHARA, CDGM)
- Fused Silica (CORNING, HERAEUS)
- UV and IR materials
- Optical filter glasses
- Plastic materials (PMMA and Polycarbonate)

Coatings for UV-VIS-IR:

- Anti-reflective
- High reflectivity
- Mirrors
- Beamsplitters
- Interferential filters



RANGE FINDERS AND SPORT OPTICS



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EXAMPLES 2/2



Photo by courtesy of VAPENSMIA





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