

MICTU OFFER FOR EYEWEAR INDUSTRY

May 2025

Mictu, in brief



Found by Antonello Collavo in 1986 in Quero (BL), Mictu took its first steps serving eyewear manufacturers located in the surroundings

Along the years, **Mictu has expanded its capabilities** adding products and technologies, **flanking to eyewear applications** (still representing the majority of the turnover) **other interesting industries, from bio-medical to high precision micro-mechanics**

Today, Mictu can count on the contribution of 17 enthusiastic employees, working in our modern 1.400 sqm plant located in Setteville (BL)

Starting from 2024, a new chapter has begun: **Mictu is now part of Kintek Group**, Italian leader in toolholders manufacturing, owned by Aksia private equity fund







Our technologies







All manufacturing steps are carried out in-house

20 NC machines and a metrology room assure high flexibility and capacity to fullfill any customer need





Our way of working





Customer service

Along the years, we developed a deep knowledge on tools and their application in eyewear industry, at customers disposal:

- Engineering department can develop **specials tools, based on customer drawings or just on indications regarding their usage** and purpose
- We are always **available to support customers at their production sites**, sharing with operators issues and solutions
- Specific **training sessions for customers experts can be organized at Mictu facility**, to deepen their knowledge on tools and improve performance in operations

Speed

Our customers time is a precious value, we always strive to guarantee our best service:

- For specials, our lead time from order to delivery is around 10 days
- Upon agreement with customers, we keep on **stock recurring item**, always ready for shipment
- Our flexibility in machining is key to face customers urgencies





Solid carbide mills

Applications

- Temples and frames machining
- Suitable for acetate and both ferrous and non-ferrous materials

- **Carbide** tools, with material specs depending on application
- Accurate **balancing**
- Anti-wear coating upon request
- Available with standard geometries or tailored design
- Wide diameters range: 0,05 -22,0 mm
- Resharpening possible





Brazed mills for non-ferrous materials

Applications

- Temples and frames machining
- Suitable for **acetate and non-ferrous materials** (aluminum, bone, wood, ...)

- Steel body, with carbide or PCD inserts
- Available with standard geometries or tailored design
- Accurate balancing
- **PCD sharpened with laser technology**, drastically improving performance
- 2 or 4 cutting edges, logarithmic profile
- Resharpening possible





Special drills

Applications

- **Drilling** operations ٠
- Any process step •
- Any material ٠

- Carbide tools ٠
- Anti-wear coating upon request ٠
- Wide diameters range, from 0,05 mm ٠
- Available with standard geometries or tailored design ٠ (according to material, machine, product geometry, ...)



Cutters and circular blades

Applications

- Temples and small metallic parts machining
- Any material

<u>Features</u>

- Carbide tools
- Anti-wear coating upon request
- Available with **standard geometries or tailored design** (thickness, diameter, theeth)
- Wide range of external diameters (5-150 mm) and thickness (from 0,1 mm)
- Three-lobed bore to improve coupling, with dedicated shaft
- Specific design for combined plastic/metallic cuts
- Resharpening possible















Planers/ thicknessers cutters

Applications

- Planing operations
- Suitable for **acetate**

- Carbide and PCD tools are both available
- Suitable for most common planers/thicknessers brands
- Resharpening possible









Temples contouring mills

Applications

Flat or rounded **contouring of temples** ٠

- Carbide tools ٠
- Anti-wear coating upon request ٠
- Cut and rounding carried out in a single step ٠
- Standard or tailored design (profile and radius) ٠







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Cutters for expansion mounts

Applications

- Machining of grooves for lenses mounted by expansion
- Suitable for **acetate**

- Carbide tools
- Manufactured according to customer specs







Mills for ophthalmic lenses cutting

Applications

Cutting operations on ophthalmic lenses ٠

- Carbide and PCD tools, CVD is currently under testing
- Standard or tailored design ٠
- Suitable for most common lenses cutting machinery brands ٠
- PCD sharpened with laser technology, drastically improving ٠ performance









Mills for sun and demo lenses cutting

Applications

• Cutting operations on sun and demo lenses

- Carbide and PCD tools, CVD is currently under testing
- Standard or tailored design
- Suitable for most common lenses cutting machinery brands
- **PCD sharpened with laser technology**, drastically improving performance











Screwers accessories and spares

- **Inserts for** manual and automatic **screwers**, available with different geometries (flathead, Phillips, Torx, hexagonal)
- Douille guide
- Adjustable screwing heads, specifically designed by Mictu for a quick set up of screwer axial position
- Spare parts for screwers





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Small part and spares

- Blade holders shafts ٠
- Adapters and **extensions** ٠
- Spacers ٠
- Nuts ٠
- Go/No-go gauges for small parts ٠
- Special tooling ٠



Toolholders

Applications

Any need of toolholding for mills, cutters, cutting blades, ٠ circular saws

- Different technologies available (ER collets, hydraulics, ٠ shrink fit, ...)
- Available with standard solutions or tailored design based ٠ on customer specs







Pad printing rings

Main products

• Replacement **doctoring rings for pad printers**

Features

- **Carbide** construction, replacing common ceramic
- Prevents chipping
- Resharpening possible







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Resharpening service





- Resharpening service is offered on Mictu tools and can virtually be performed on any tool: mills, cutters, drills, blades, ...
- The operation is carried out on the same machine that had originally manufactured the brand new tool: this guarantees a perfect match in terms of set up and conditions
- For the customer, the advantage in terms of cost reduction is significant: usually above 25%, depending on tool type
- Anti-wear coating is applicable after resharpening, to replicate brand new tool performance



