

CUSTOMER:
DATE: 10.2026

Quotation for Amada GLS 150 GL-LED



MANUFACTURING YEAR: 2020
MACHINE INSTALLED AT THE SITE: 05.2021
MACHINING HOURS: ~360h ; TOTAL WORKING HOURS: ~700h

Machine include:

1 GLS-150GL GLS 150 GL Optical Profile Grinding Machine,

EUROPE, CE

precision optical grinding machine for CNC profile grinding in automatic, semi-automatic or manual mode. High-accuracy projector can be switched to 20 and 50-times enlargement, no need to change parts.

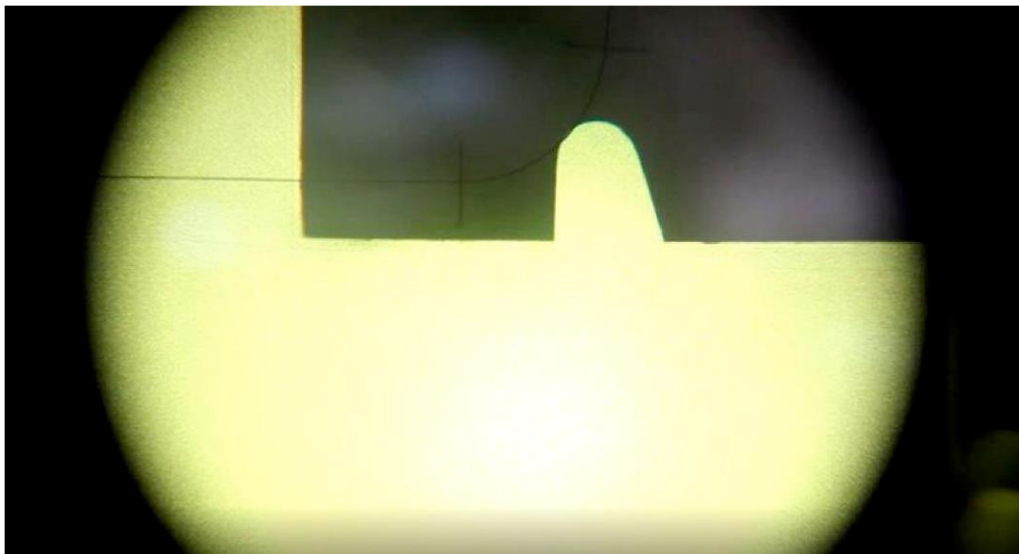
1 F-32i-GT Control Fanuc 32i
Fanuc CNC control

1 OPG-SSW Standard software
Interactive macros for creating a complete work cycle.
Comprehensive operating software

1 LTZ Running time and parts counter
Fanuc function for the last 10 programs used

1 ISO ISO-Code Programming
Program generation by using ISO code

1 TEACH-IN Teach-In Playback



Teachin cycles which consider the actual geometry of the grinding wheel. The influence of the grinding wheel wear off on the profile accuracy is minimized.

1 WIR Radii And Angle Interpolation
Ease programming of free contours. Different geometries as line, angle, radii can be put together using teaching function

- | | |
|-----------------|---|
| 1 TR1 | Transformer 20 kVA
Transformer MKDG20, (3x380-400-415V/3x200V) (grey)
Size: 660x490x520 (width x depth x height) |
| 1 SK-OE1 | Spindle Chiller
Cooling aggregate for grinding spindle |
| 1 SP-L | Air Dehumidification Unit
Incl. air -oil unit |
| | STANDARD ACCESSORY |
| 1 Z-WZ | Tools For Grinding Wheel Setup |

ADDITIONAL VARIATIONS

1 Version V. Linear Seamless Table Autoreliefangle CCD

Package included:

- CNC interpolated swivel axis head
- linear stroke, programmable (head)
- Radial / axial axis (head) controlled
- Additional axis controlled stroke (table)
- Control and extended control panel
- CCD camera measuring system
- Software packet
- external contour programming

CNC swivel head:

Seamless contour grinding with CNC interpolated grinding head, swiveling in the process.

Programmable swivel angle, minimizes collisions (grinding wheel to workpiece) in automatic machining, Incl.

- CNC grinding head swivel function
- 3-axis synchronous movement for automatic 0-point centering
- macro
- Manages up to 5 grinding wheels
- Swivel angle +/-15 °

Linear stroke (head):

- Spindle stroke with linear motor, spindle position (Grinding wheel) programmable including software

NC controlled head axes

- Axial clearance angle
- Radial clearance angle

Table (hub)

- Controlled and programmable table stroke
- Including software table teach in function

Extended control panel

- 15 "touchscreen with additional keyboard (Control), Windows operating system

CCD cameras

- Show CAD contour (DXF)
- Enlarges the display of the projector image up to 1,000 times
- Enlarges the representation on the optical magnifying glass along the contour up to 1,000 times
- Difference measurement of the CAD contour to the workpiece after axis movement
- including software

WinWop contour programming

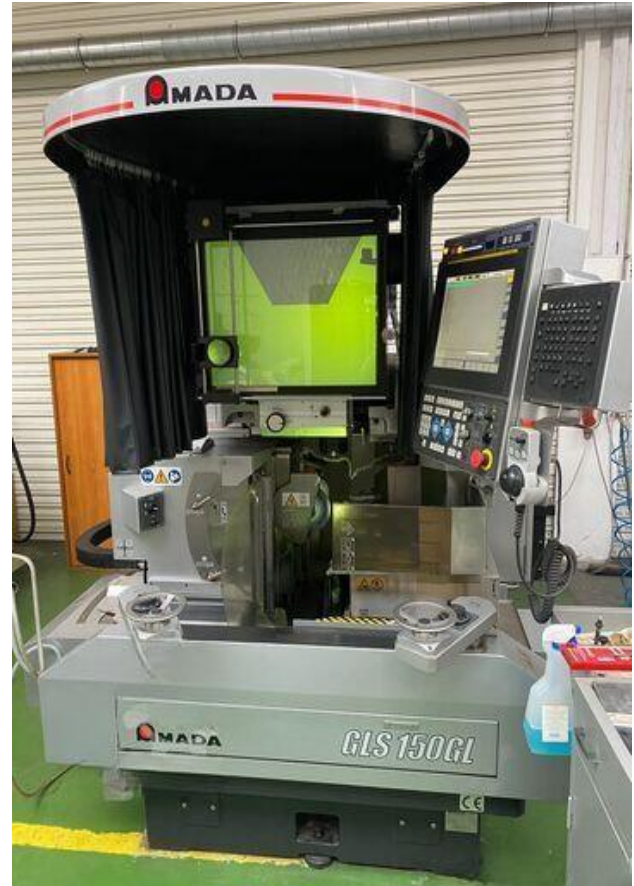
- Contour programming software

Windows-based program for creating free geometries or importing from external CAD programs.

- grinding simulation
- Compensation of profile distortions -Clearance angle
- Consideration of shrinkage on workpiece
- Adoption of value tables
- Takeover and further processing of CAD
- Data in DXF format
- Pre and finish grinding with Residual geometry detection (clearing-smoothing)
- external programming station

- Version optical profile grinding Incl. dongle, post processor

- Grinding wheels – flanges 10 pcs





ADDITIONAL EQUIPMENT - ACCESSORIES:

DRESSING ATTACHMENT

Dressing	
Option	Description of
MRD 180 	g
	Rotating dressing device for CBN and Diamond grinding discs Incl. Software and 1 set of dressing discs
Price	€ 6.900,00