

# teco-werkzeugmaschinen gmbh & co kg

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(This is a temporary description subject to change and amplification)

Stock-No. 6204

## **High Performance Gear Hobber CNC LIEBHERR LC 502 with ringloader, new 1985, condition: excellent**

This machine with a high flexibility to automatic functions affords high productivity and accuracy, in the production of synchronous bodies, double gears, drive gears for commercial motor vehicles and construction machines, gears and pinions for power gearing, cutting of worms, etc.. The NC-memory collects 100 work pieces and 40 tools and allows cutting of different gears in one setting.



### **Details of construction:**

- 6-axis CNC control MPST, free programmable, multi-processor-system control (metric & inch), error diagnostic, help button, interface RS 232, telephone diagnostics
- 6 fundamental machine motions are realized with short drives. The hob device (B-axis) offers as well an accurate positioning for gear-timing applications
- Three working operations:
  - manual set-up
  - automatic (NC-operations)
  - data input (programming)
- Integrated electronic ball bearing, pre-loaded roller guides, monitoring of the synchronisation of hob- and table turn
- Quick-change cutter system
- Large indexing gear, wear free table and hob drive
- Curved and torsion-rigid bed
- Air-conditioned control cabinet
- Full splash guard enclosure

### **Technical datas:**

Max. gear-Ø	500 mm
Max. module	10 mm
Axial travel	400 mm
Work table-Ø / bore	420 / 150 mm
Distance hob – work piece-axis	40 – 340 mm
Shift. / tangential travel	200 mm
Hob-Ø and width	170 / 250 mm
Hob arbor tapers	SK 40
Hob head swivel	+ - 50°
Feeds:	
Axial (Z-axis)	0,1 – 20 mm/WU
Radial (X-axis)	0,1 – 4 mm/WU
Tangential (V-axis)	0,01 – 5 mm/WU
Rapid travel:	
Axial	2000 mm/min
Radial	3000 mm/min
Tangential	1000 mm/min
Hob speed range, stepless	37,5 - 600
Max. distance table – outer steady	825 mm
Max. distance table – middle of hob spindle	575 mm
Total weight of machine approx.	9.300 kg
Main drive	17,2 kW
Total power, approx.	43 kVA
Floor space required	4,49 x 4,15 x 2,95 m

### **Accessories:**

LIEBHERR ringloader with automatic Ø-adjustment for different bore- and shaft parts.  
3 centers

### **Price:**

ex warehouse, unpacked, uninsured, f.o.t.

€ \_\_\_\_\_

Teco Werkzeugmaschinen GmbH + Co. KG

**Error in dimensions, accessories and technical details accepted!**