

OKUMA - LB3000 EXII - 2014



Manufacturer: **OKUMA**

Type: **LB3000 EXII**

Year of manufacturing: **2014**

Parameters: **max. rotating diameter 480 mm**

Description:

OKUMA - LB3000 EXII - 2014

- control system OSP-P300L CNC with 15" color touch screen

- Power on time: 65,458 h

- as of 18.03.2026 NC time in operation: 36,054 h

- spindle rotation time: 19,533 h

- time in cut 16,582 h

- power consumption 33.1 kVA

Technical data

- max. rotating diameter 480 mm

- max. machined diameter 340 mm

- max. turning length 785 mm

- collet + 10" hydraulic chuck B210-A06-01, 3x soft jaws (Schunk KM-WBL 103)

- 1x hard jaws (Schunk SHB-J 100)

- hydraulic through-cylinder SS 1770, draw tube

Main spindle

- spindle with JIS A2-6 end, bore dia. 80 mm, integrated motor

- speed range 45 - 5,000 rpm

- 22 kW/15 kW

- continuously controlled C-axis, 3600 with 0.001° increments

Sub-spindle

- speed range 50 - 6,000 rpm

- 11 kW/7.5 kW

- spindle with end dia. 140 mm, bore dia. 62 mm, integrated motor

- continuously controlled C-axis, 360° with 0.001° increments

- collet + 6" hydraulic chuck B206-01, 3 x set of soft jaws (Schunk KM-WBL 62)

- hydraulic through-cylinder SS1243, draw tube

- travel of the secondary spindle - NC axis W stroke for W450: 595mm

- spring-loaded piece ejector from the counter spindle

- overload monitoring of the W axis (drive torque)

Clamping of the center (tailstock) in the secondary spindle

Turret head

- number of tool positions 12, fixed and driven BMT60 (not VDI)
- tool clamping in. 25 x 25 mm
- tool clamping out. dia. 40 mm

Driven tools

- drive power 7.1/4.1 kW
- speed range 45 – 6,000 min⁻¹

Travel speeds

- rapid traverse in X and Z axes 25/30 m/min.
- rapid traverse in C axis 200 rpm.

Travels

- X axis 260 mm
- Z axis 510 mm
- Y axis 115 mm (+70 mm / -45 mm)

Machine data

- width 3330 mm – without feeder and conveyor
- depth 1800 mm
- height 2250 mm
- machine weight 5,250 kg

Accessories:

OSP-P300L Advanced One Touch CF-M-E set containing:

- coordinate transformation function
- profile generation function
- advanced One Touch IGF
- 3D machining process simulation
- machining time overrun control
- load monitoring (spindle, feed axes)
- NC operation monitoring (including piece counting)
- cycle time reduction function
- Hi-Cut Pro function
- spindle speed control function
- high-pressure coolant, max. 20 bar, max. 50l/min
- ILS material feeder type MUK 7012, with bar magazine 6-70 mm/1250 mm, year 05/2014, manufacturer Kurt Breuning – IRCO Maschinenbau GmbH, Steinenbronn
- FILTERMIST FX4002 extraction

Machine equipment:

- collet holder: SMW AUTOBLOK: KSZ-DZN-065-A06 201342 (currently on the main spindle)
- collet dia.(mm): 6-33, 34-36, 38-42, 44-46, 48, 50-51, 53, 55, 57, 60, 64-65
- collet with groove dia.(mm) 55-60-65
- collet holder: SMW AUTOBLOK: KSZ-DZN-042 Z140 205073 (currently on the secondary spindle)
- collets dia.(mm): 6-28, 30-32, 34-36, 39-41

Holders:

- axial holder - 5x
- knife holder - 5x
- holder on the blade - 2X
- front double-sided chaser - 3X
- transverse chaser - 3X
- reducing insert tube (production from the meter)
- reduction - silon dia.(mm):

12-14-15.5-17-20-22-24-26-28-30-31-34-36-38-40-42-44-
47-50-52