



Productivity Proposal

MULTUS B300-C w/ THINC

THE INTELLIGENT N.C.

Multifunction Turning Center

- ◆ Dual function upper turret with 0.001° B-axis, Y-axis, 40 ATC and NC Tailstock



Photo shows options: Tool touch setter and exhibition front door
Appearance may vary based on final specification

Applicable model and versions:

●: Base offering ○: Available specification

MULTUS B300-C wTHINC		H-1 Milling Spindle		NC Tailstock (W-axis)	
Left headstock					
A2-6 Spindle: 5,000min ⁻¹ 20/15hp	●	6,000 min ⁻¹	●	Dead quill MT#5	●
A2-6 Spindle: 5,000min ⁻¹ [30/20hp]	○	10,000 min ⁻¹	○	Live quill (bearing in quill) MT#4	○
A2-8 Spindle: 3,800min ⁻¹ 30/20hp	○				
Notes:	1. Optional configuration details are covered in technical supplement 2. MULTUS B300 may be equipped with a right side headstock instead of a tailstock (model B300-W).				

MULTUS B300-C

Introduction

The OKUMA MULTUS B300-C is a multifunction turning center including an NC Tailstock and Automatic tool changer. The MULTUS B300-C has a broad scope of machining functions in the 8-10-inch chuck class. MULTUS B300-W is the embodiment of power, speed, and process flexibility. Complete the work in one set-up and with tools to spare in the ATC.

The MULTUS B300-C has a 225° B-axis range with 6,000 rpm H1-milling spindle (opt. 10,000rpm) with dual function (L/M), which can machine using lathe or machining center tooling. The H-1 dual function spindle head utilizes CAPTO C6 tooling and has a 15/10hp PREX milling motor spindle. The base offering has 40-tools available via the ATC (Opt. 60 tools). The H1-turret has a 0.001 degree B-axis and compound motion Y-axis for machining flexibility. The spindle is equipped with a full contouring C-axis.

Familiar programming methods from both lathe and machining center disciplines blend easily on the MULTUS thanks to the Okuma THINC control, giving advanced functions such as total "Collision Avoidance System"* as standard. The advantages of the Okuma absolute encoders handle the control of X, and Z, the C1, B, Y and W axes without the need for re-zeroing.

A Thumbnail of the base offering:

- ◆ Ø24.80" max machining dia x 35.43" max leng.
- ◆ 20/15hp VAC, integral main motor-spindle
- ◆ 45-5,000min⁻¹ A2-6 spindle nose
- ◆ Integral C-axis w/disk brake
- ◆ H1 L-M turret w/ 0.001° step 225 deg. B-axis
- ◆ H1 spindle taper CAPTO C6
- ◆ H1 spindle range 50-6,000min⁻¹
- ◆ H1 15/10hp PREX mill motor (5min/cont)
- ◆ Y-axis +3.15 inch / - 3.15 inch travel
- ◆ 40 Station ATC magazine [opt. 60 ATC]
- ◆ NC Tailstock w-MT#5 revolving center
- ◆ Max tool length 11.81"; max wt.: 17.6 lb.
- ◆ Max M tool dia: 3.54" (5.12" wo adjacent tool)
- ◆ 1,575/1,024/787/ipm; X&Z/Y/W rapid traverse
- ◆ Ø8in. hollow chuck assy.
- ◆ All spindle motors – liquid cooled
- ◆ Okuma Care 24-7 support plan + 1 year warranty

The MULTUS continues Okuma's fundamental commitment to [total system engineering of its machine tools](#). This means, [ALL Okuma](#) design and manufacture of machine, motors, drives and controls and including the industry leading [Okuma Care \(24-7\)](#) support program.

Thank you for considering Okuma products.