

TECHNICAL DATASHEET CNC horizontal Boring- and Milling Machine

manufacturer	CASTEL
type	RED 1T10 A 40
control	HEIDENHAIN iTNC 530
built	1992



Travels

X-axis (lateral movement table)	3.100 mm
Y-axis (vertical movement spindle unit)	1.800 mm
Z-axis (longitudinal movement column)	2.000 mm
W-axis (movement quill)	800 mm

Working spindle

quill diameter	130	mm
spindle taper DIN 69871		ISO 50
spindle power	37	kW
gear steps	2	
torque gear step 1/2	2360/590	
spindle speed	4-2.500	Min-1

clamping table

max. workpiece weight	10.000	kg
clamping size	1.600 x 2.000	mm
no. of T-slots	9	28H8
measuring system resolution	0,001	degree

tool changer

drum magazine	40-fach
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Feed

feed range X-, Y-, Z- axis	0 - 10.000	mm/min
feed range W-axis	0-8.000	mm/min
rapid feed X-axis	10.000	mm/min
rapid feed Y, Z, W-axis	8.000	mm/min

Dimensions

Total weight	28.500	kg
Length x Width x Height	7,7 x 7,0 x 4,3	m
total connected load	50	kVA

equipment

- CNC-control HEIDENHAIN iTNC 530
- tool changer 40-fold
- coolant tank with pump
- chip conveyor
- basic equipment tool holder