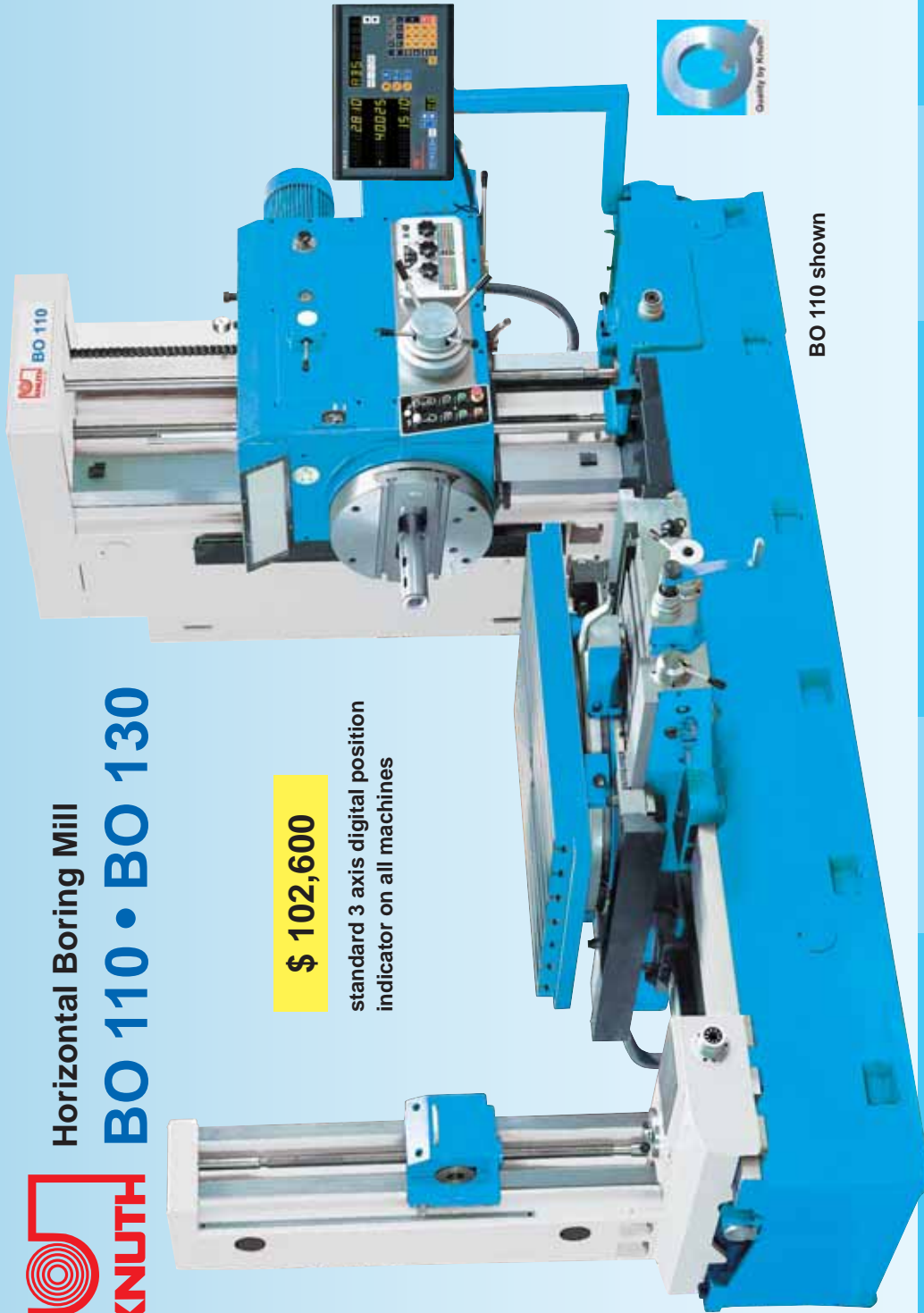




Horizontal Boring Mill BO 110 • BO 130

\$ 102,600

standard 3 axis digital position indicator on all machines



BO 110 shown

- rigid, hardened and precision ground square guides ensure many years of accurate operation
- mechanical functions that may not be run simultaneously are provided with interlocks
- headstock and feed gears are equipped with an overload clutch
- lever-operated shift gears for positioning of the gears in the desired position
- the manual control panel is set up in a user-friendly and clear manner, the panel includes controls for spindle rotation, tool clamping, scale lighting, etc.
- table rotates 360°
- telescoping steel covers protect the guides from chips and contamination
- with variable frequency drive, plus 3-axis servo motor
- tailstock included (BO 110), optional (BO 130)

Specifications	BO 110	BO 130
spindle diameter	4.25"	5"
spindle taper	ISO 50	ISO 50
spindle feed	23.6"	35.4"
facing slide feed	7.1"	9.8"
facing slide rotation, 18 steps	rpm	2.5 - 125
max. table load capacity	lbs	22,000
max. spindle axial thrust	lbs	7,050
spindle center-to-table distance	0 - 35"	0 - 70.8"
spindle speeds	22	24
speed range	rpm	8 - 1000
facing slide speed (rpm)	18	18
speed range	rpm	4 - 200

Sheet Metal Work

Grinding

Saws

Specifications	BO 110	BO 130
Feed for quill, headstock, and table/spindle rotation		
range I @ 8 - 400 rpm	"/rev	18 (0.0016 - 0.24")
range II @ 500 - 1000 rpm	"/rev	18 (0.0004 - 0.06")
Feed of facing slide, headstock, and table, facing slide rotation		
range I - 18 steps	"/rev	0.003-0.47" 003-.472"
max. spindle torque	ft/lb	900
max. lathe chuck torque	ft/lb	1450
travel - longit./transv.		39"/35"
vertical head travel		35.25"
table setup area		43" x 38"
rapid feed, headstock	"/min	100
rotary table rotational speed	rpm	1
		1.2

Turning • Milling • Drilling

CNC Machining

main motor rating	Hp	10	20
rapid feed motor	Hp	4	7
hydraulic pump	Hp	1	2
spindle stroke motor	Hp	7	7
read-out accuracy, optic		0.0004"	0.0002"
counter-bore accuracy	µm	H7 Ra-1.6	H7 Ra-1.6
overall dimensions (LxWxH)		192"x97"	277"x184"
		x108"	150"
weight	lbs	25,300	64,600
Part No. with position indicator		301 499	399 022
Price with position indicator \$		102,600	D 206,700 B

Cutting • Eroding