

BRETON MACHINE TOOL

FLYMILL HD

THE NEW "HD" VERSION FOR HEAVY DUTY MACHINING HAS JOINED THE "FLYMILL RANGE" WITH ITS:

- HIGHLY INCREASED STRUCTURES DIMENSIONING AND STIFFNESS
- NEW POWERFUL AND HIGH DYNAMIC 5 AXES CONTINUOUS "HEAVY DUTY HEAD"



NEW POWERFULL MACHINING
HIGH SPEED
PRECISION AND DYNAMIC

breton

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TECHNICAL DATA		FLYMILL 1000/2T DD HD K 30/45/60/80	FLYMILL 1300/2T DD HD K 30/45/60/80
interpolated axes		5	5
WORKING AREA			
table length (LT)	mm in	3.500 / 5.000 / 6.500 / 8.500 137.8 / 196.9 / 256 / 334.6	3.500 / 5.000 / 6.500 / 8.500 137.8 / 196.9 / 256 / 334.6
table width (WT)	mm in	2.000 78.7	3.000 118
TRAVELS - SPEED			
"X" axis travel	mm in	2.500 98.4	3.500 137.8
"Y" axis travel	mm in	3.000 / 4.500 / 6.000 / 8.000 118 / 177 / 236 / 315	3.000 / 4.500 / 6.000 / 8.000 118 / 177 / 236 / 315
"Z" axis travel	mm in	1.000 39.4	1.300 51.2
"X" axis rapid feedrate	m/min ipm	60 2,360	60 2,360
"Y" axis rapid feedrate	m/min ipm	60 2,360	60 2,360
"Z" axis rapid feedrate	m/min ipm	40 1,575	40 1,575
"A" axis rotation		0° ÷ +135°	0° ÷ +135°
"C" axis rotation		continuous	continuous
"A" axis rapid feedrate	rpm	50	50
"C" axis rapid feedrate	rpm	100	100
WORKING THRUST			
max. X - Y working thrust	N lb	8.000 1,794	8.000 1,794
max. Z working thrust	N lb	8.000 1,794	8.000 1,794
ACCURACY			
linear axis positioning accuracy (*)	mm/m in / 40in	± 0.007 ± 0.00028	± 0.007 ± 0.00028
linear axis repeatability (*)	mm/m in / 40in	± 0.005 ± 0.0002	± 0.005 ± 0.0002
rotating axis positioning accuracy (*)		± 0.002"	± 0.002"
rotating axis repeatability (*)		± 0.0015"	± 0.0015"
TOOL STORE			
automatic tool-store capacity (optional)		20 (60) (100) (150)	20 (60) (100) (150)
max. tool weight	kg lb	30 66	30 66
SPINDLES			
milling spindle:			
- spindle power S6 (40%) / S1	kW HP	85 / 74.6 114 / 100	85 / 74.6 114 / 100
- spindle torque S6 (40%) / S1	Nm ft-lb	480 / 300 354 / 221	480 / 300 354 / 221
- spindle speed	rpm	14.000	14.000
WEIGHT - DIMENSIONS			
machine weight	kg lb	min 43.000 - max 93.000 min 94,600 - max 204,600	min 51.000 - max 112.200 min 107,000 - max 235,400
standard machine overall dimension:			
width (W)	mm in	6.400 252	7.500 295
length (L)	mm in	6.200 / 8.100 / 9.800 / 11.800 244 / 319 / 386 / 465	6.200 / 8.100 / 9.800 / 11.800 244 / 319 / 386 / 465
height (H)	mm in	5.250 206.7	5.700 224.4

(*) with external temperature of 20° ±1°