

Conventional Machines Specifications

Specs. Types	Distance between centers (mm)	Swing over bed (mm)	Swing over saddle (mm)	Spindle bore dia. (mm)	Spindle Speed range (r.p.m)	No. of spindle speeds	Longit. Feed range mm/rev.	Cross feed range mm/rev.	No. of feeds	Metric pitches (mm)	Witworth pitches (tpi)	Module pitches (mod)	Diametral Pitches (DP)
Horizontal Lathes:													
Ernult AC 280	500	280	180	22	50- 2500	18	0.025- 0.35	0.012- 0.175	28	0.25- 3.5	112-8	0.25-3.5	50-8
Ernult 350	750	350	175	42	45- 2000	18	0.05-0.7	0.35-0.5	28	0.5-7	56-4	0.3-3.5	50-8
Ernult 550	1000	545	312	52	32- 1600	18	0.05-0.7	0.035- 0.5	28	0.5-7	56-4	0.3-3.5	
Military Factories	710	175	115	38	11.5- 1200	24	0.082- 1.59	0.027- 0.52	35	1-19.2	24-2	0.5-4.8	96-1
WEYRAUCH	3000	530	475	68	30- 1500		0.05-1.5	0.025- 0.75	55	0.5-1.5	60-2	0.25-7.5	120-4
BROADBENT	4950	1250	990	115	3.3-360	18	0.1-3.1	0.05-1.5	40		28-1		
Romanian (15074)	7500	1520	1120	140	4-400	24	0.06-16		69	0.5-120	60-0.25	0.25-60	120-0.5
Romanian (13206)	10000	1540	1140	140	4-400	24	0.06-16		69	0.5-120	60-0.25	0.25-60	120-0.5

Specs. Types	Table Dimension (mm)	Table Swing (degree)	Feed range (mm/rev.)	No. of feeds	Spindle speed range (r.p.m.)	No. of speeds	Facing head speed range (r.p.m.)	No. of speeds	Max longitudinal travel of table (mm)	Max transverse travel of table (mm)	Max vertical travel of head (mm)	Max spindle travel out of head (mm)
Boring M/C: PFEIFER	1500 * 1200	360	0.03 - 6	12	9 - 1000	18	2.2 - 36	15	1500	1500	1500	700

Types \ Specs.	Table Dia. (mm)	Max. Turning Dia. (mm)	Max. Turning Height over table (mm)	Max. Load on table (daN)	Speed range (r.p.m)	No. of spindle speeds	Vertical Travel of cross rail (mm)	Vertical Travel of Turret slide (mm)	Horizontal Travel of Turret slide (mm)	Feed Range (mm)	No. of feeds	Max slope angle of vertical rest (degree)
Vertical Lathes:												
TITAN	3000	3300	2800	18000	1.02-92	stepless				0.05-5	16	+35 to -35
SUMMIT	2000	2100	1500	12000	1.55-140	infinite				0.05-5	16	+35 to -35
DORRIS	1000	1300	1180	unlimited	5.6-300	24	850	750	860	0.044-8	16	+45 to -45

Types \ Specs.	Max. Length bet. centers (mm)	Max. W.P. length in clamping heads (mm)	Max. swing dia. (mm)	Max. W.P. weight (Pin Bearing Grinding) (kg)	Max. W.P. weight (Main Bearing Grinding) (kg)	Crank radius (mm)	W.P. rotation variable (r.p.m)	Max. Grinding Wheel Dia. (mm)	Grinding wheel bore dia. (mm)	Axial travel feed rate mm/min	Grinding infeed manual adjust mm/dia.	Max. taper grinding (degree)
Crank Shaft Grinding M/C DIAG	4500	4100	850	1500	2000	0-200	5-601	1100	508	2-20	0.0025	6.5

Specs. Types	Max. Length (mm)	Max. width (mm)	Max. Height (mm)	Grinding spindle Dia. (mm)	Vertical movement of Spindle Slide (mm)	Horizontal movement of Spindle Slide (mm)	Grinding wheel dia (mm)	Spindle rotation (r.p.m)	Speed of stroke (mm/min)
<u>Surface Grinding M/C</u> ELB-SCHLIFF	2000	750	975 -1050	90	975	650	600 * 150	960	1.2-1200



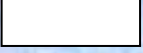

Specs. Types	Table Dimension (mm)	Max longitudinal travel of Table (mm)	Max transverse travel of Table (mm)	Max vertical travel of ram (mm)	Max horizontal travel of ram (mm)	Max distance between spindle and bed (mm)
<u>Milling M/C</u> RAMBAUDI	2000 * 700	1300	1200	1000	500	750

Specs. Types	Bed Dimension (mm)	Max longitudinal travel of Table (mm)	Max vertical travel of ram (mm)	Max vertical travel of side ram (mm)	Max horizontal travel of ram (mm)	Max w.p. width to pass between columns (mm)
<u>Planner M/C</u> REICHLÉ KNOEDLER	2500 * 1225	2000	1200	1000	2000	1200

Specs. Types	Max. W.P. dia. (mm)	Max. module (mm)	Min. horizontal center distance (mm)	Max. horizontal center distance (mm)	Min. height - hob center to work table (mm)	Max. height - hob center to work table (mm)	Max. height worktable to tail stock center (mm)	Work table face dia. (mm)	Work table bore depth (mm)	Max. hob dia. (mm)	Feed rates vert. (mm/rev.)	Feed rates vert. (mm/rev.)	Feed rates vert. (mm/rev.)	Max. hob length (mm)	Hob speeds (r.p.m)
<u>Hobbing Machine</u> CHURCH ILL	400	8	50	305	127	432	570	406	330	180	0.4 - 6.4	0.13-4	0.5-6.4	210	52-300

Specs. Types	Table Dimension (mm)	Logitudinal & cross feed range of table (mm/min)	No. of feeds	Speed range (stroke / min)	No. of speeds	Head swing (degree)	Longitudinal travel (mm)	Cross travel (mm)	Max distance between table & ram (mm)	Min distance between table & ram (mm)	Effective ram stroke (mm)
<u>Slotting M/C</u> RAVENSBURG	Diameter 1000	0.063- 2.8	12	5.5-60	12	+15 -15	950	900	1610	220	750
URPE	800 * 300					+25 -25	500	500	160		

Specs. Types	Bed Dimension (mm)	Fixed Bed Dimension (mm)	Max horizontal Ram Travel (mm)	Max vertical Ram Travel (mm)	Distance between spindle and bed (mm)	Ram swing (degree)	Table longitudinal move (mm)	Table transverse move (mm)	Head Swing (degree)
Swing Drilling M/C ASQUITH	1970 * 910 * 610	2000 * 1000	1700	1450	1700	360	Fixed	Fixed	Fixed
Switzerland Drill	600 * 280	880 * 700	780	420	360	360	300	320	+90 -90

Specs. Types	Saw Blad Dia (mm)	Cutting Capacity at right angles (mm)				No. of speeds	Speed Range m/min	Feed Rate mm/min
								
KALTENBACH CUTOL 2000 (circular saw)	910	300	240	600 * 200	600 * 300	4	11 - 22	0 - 1000

Specs. Types	Table Dimension (mm)	Spindle Bore dia. (mm)	Max Height from spindle to table (mm)	Min Height from spindle to table (mm)	Table longitudinal travel (mm)	Table transverse travel (mm)
Fixed Drilling M/C TOS	600 * 350	520	680	160	Fixed	Fixed
Drill # (4444)	360 * 280	20	440	150	Fixed	Fixed
Military Drill	730 * 200		450	100	150	700