

Gap-bed Lathe

CW6263C
CW6280C
CW62100C

Salient Features:

- Big Spindle Bore
- Swing Over Bed
- One Piece Casting Lathe Bed
- Hardened and Ground Guideway



SPECIFICATION	UNIT	CW6263C	CW6280C	CW62100C
Swing over bed	MM	630	860	1000
Swing over carriage	MM	350	520	720
Center distance	MM	750/1000/1500/2000/3000/4000/5000/6000		
Width of gap	MM	320	320	320
Swing over gap	MM	800	1000	1230
Width of guideway	MM	550	550	550
Spindle bore diameter	MM	100/105/130	100/105/130	100/105/130
Spindle speeds	MM	TR(speeds) 7.5-1000 rpm		
Longitudinal feeds	MM/R	{64} 0.1-24.3	{64} 0.1-24.3	{64} 0.1-24.3
Cross feeds	MM/R	{64} 0.05-12.15	{64} 0.05-12.15	{64} 0.05-12.15
Rapid Traverse speed	M/MM	3.8	3.8	3.8
Metric Thread	MM	{39} 1-240	{39} 1-240	{39} 1-240
Whitworth thread	TPI	{26} 14-1	{26} 14-1	{26} 14-1
Module thread	MM	{53} 0.5-120	{53} 0.5-120	{53} 0.5-120
Diametrical pitch thread		{24} 28-1	{24} 28-1	{24} 28-1
Max. travel of cross slide	MM	445	493	493
Max. travel of top slide	MM	200	200	200
Main motor power	KW	11	11	11
Rapid Traverse Motor power	KW	1.1	1.1	1.1
Coolant pump motor power	KW	0.09	0.09	0.09

Standard Accessories

- 3-Jaw chuck
- 4-Jaw chuck
- Face plate
- Driver Plate
- Stead & Follow rest (not for 750 or 1000 mm lathe)
- Center
- Center sleeve
- Chasing dial
- Tools
- Oil Gun
- Foundation Bolts and Pad

SPECIFICATION		62100M	62125M	62140M	62160M
Swing over bed	mm	1000	1250	1400	1600
Swing over cross slide	mm	630	880	1030	1230
Swing in gap	mm	1400	1650	1800	2000
Gap length (from spindle nose)	mm	600	600	600	600
Distance between centers	mm	1500/2000/3000/4000/5000/6000/8000			
Spindle bore	mm	130	130	130	130
Taper of spindle bore	mm	140(1.28)	140(1.20)	140(1.20)	140(1.20)
Spindle nose		A-15	A-15	A-15	A-15
No. of spindle speed		21	21	21	21
Spindle speed ranges	rpm	3.15-315	3.15-315	3.15-315	3.15-315
Maximum spindle motor power	kw	22	22	22	22
Coolant pump motor power	kw	0.125	0.125	0.125	0.125
Width over bedways	mm	755	755	755	755
Cross slide travel-axis	mm	580	678	725	825
Travel of top slide	mm	300	300	300	300
Max. Dimension pitches	mm	45x45	45x45	45x45	45x45
Cross feed	mm/rev	0.05-6	0.05-6	0.05-6	0.05-6
Longitudinal feed	mm/rev	0.1-12	0.1-12	0.1-12	0.1-12
Range of diametral pitches	dp	1/8-5/8	1/8-5/8	1/8-5/8	1/8-5/8
Range of metric pitches	mm	1-120	1-120	1-120	1-120
Range of module pitches		0.5-60 MOD	0.5-60 MOD	0.5-60 MOD	0.5-60 MOD
Tailstock quill diameter	mm	160	160	160	160
Tailstock quill taper		80mm/1.20	80mm/1.20	80mm/1.20	80mm/1.20
Tailstock quill travel	mm	300	300	300	300
Weight of lathe with 3m b.c.	kg	10000	10700	11000	11500
Additional weight per 1m b.c.	kg	1000	1000	1000	1000
Overall machine length (Distance between centers)		4450(1500)/4900(2000)/5950(3000)/6950(4000) 7950(5000)/8950(6000)/10950(8000)mm			
Overall machine width	mm	1855	1955	2010	2110
Overall machine height	mm	1780	1910	1980	2080

- Optional Accessories :** 1. Rolling center 2. Taper turning attachment 3. Quick change tool post
4. Chuck guard 5. Tool post guard 6. Full length splash guard 7. Anti-vibration pad
8. Foot Brake 9. Digital Display Uni

High Speed Lathe

CD 6240
CD 6266

Salient Features:

- **High Speed**
- **Big Spindle Bore**
- **High Spindle Torque**
- **Hardened and Ground Guideway**



Specification	CD 6240	CD 6266
Max. swing over bed	400	660
Max. swing over carriage	230	440
Max. swing over gap	700mm	870
Width of gap	250mm	250
Max. length of workpiece	1000/1500/2000/3000	1000/1500/2000/3000
Width of guideway	394mm	394
Spindle nose	D8	D8
Spindle speed	26-2000 rpm (16 steps)	23-1800 rpm
Dia. of spindle bore	82mm	82
Taper of spindle bore	90/1:20	90/1:20
Longitudinal feed	0.044-1.48mm/rev	0.044-1.48mm/rev
Cross feed	0.022-0.74mm/rev	0.022-0.74mm/rev
Metric thread	0.35-80mm (53 or 77)	0.35-80mm (53 or 77)
Witworth thread	7/16-80 tpi (47)	7/16-80 tpi (47)
Module thread	0.2-40mm (45 or 66)	2-40mm (45 or 66)
Dia. metrical pitch thread	7/8-160 DP(42)	7/8-160 DP(42)
Max. travel of cross slide	348	355
Max. travel of top slide	150mm	150mm
Travel of tailstock quill	150mm	150mm
Diameter of tailstock quill	75mm	75mm
Taper bore of tailstock quill	M5	M5
Main motor power	10HP(7.5W)	10HP(7.5W)
Net weight (kg.)	1000mm 2100/2150/2200 1500mm 2150/2200/2250 2000mm 2260/2310/2360/2600 3000mm 3030/3080/3150/2800	2100/2150/2200 2150/2200/2250 2260/2310/2360/2600 3030/3080/3150/2800

* Standard and optional Accessories available



Digital Readout System

DRO Display :

SD S6-2V : 2 axis for Mill, Grinding, Lathe Machines.

SD S6-3V : 3 axis for Mill, Lathe Machines and discharging processing.



Scale length : 150mm to 3000mm

Resolution : 1, 5 & 10 micron

Brand Available:

1. SINO
2. DELOS
3. INNOVATIVE
4. GIVI
5. ATEK
6. RELIABLE
7. OPKON
8. NEWALL

LCD-3224 LCD DRO Display box (item: 1008006)

- 320x240 5.6" LCD Screen
- 32 bits embedded computing technology.
- 200 points auxiliary zero position function.
- RS232 function
- Power off memory function
- Non-linear error compensation
- USB transmission documents
- Metric / Inch switching display
- AB function
- 4 coordinate systems
- Software diagnosis function
- PCD hole positioning on circumferences
- Uses in various machines, projectors and others measuring instruments.

Vertical Turret Milling Machines



Brand Available: • Hercules • Armstrong • Precicut • 1K Taiwan
• Argo

Features:

- ▶ Table Guideways with High Stability
- ▶ Induction Hardened and Ground Table Surface
- ▶ Automatic Feeds on X and Y axis (Optional)

SPECIFICATION	10x50(35)	10x54(45)
Working surface	1270x254	1370x254
Longitudinal travel (Manual)	850	950
Longitudinal travel (Power feed)	850	950
Cross travel	400	400
Vertical travel	435/500	435/500
Overarm travel	600	600
T. Slots (width x number)	15.87x3	15.87x3
Spindle Speed	16	60-4500pm
Quill travel	127	127
Quill feed (per revolution of spindle)	0.04/0.08/0.15mm/REV	
Spindle taper	R-8/ISO30/ISO40	R-8/ISO30/ISO40
Table to spindle nose	42-405	42-405
Head 45° - Forward & Reverse	-	-
Overarm swivel	360°	360°
Swivel angle of spindle head R/L	90°	90°
Spindle Motor	3 HP	3 HP
Rapid traverse motor (Optional)	0.5 HP	0.5 HP
Coolant pump	0.11 Kw	0.11 Kw
Net weight (Kg)	1000	1200

Universal Knee-type Milling Machine

FCEPL 6032A
FCEPL 6036A
FCEPL 6132A

Salient Features:

- Rectangular Table Guideways with High Stability
- Hardened and Ground Table Surface
- Automatic Feeds on x,y axis, motorized lifting and lowering of table on z axis



SPECIFICATION	Units	FCEPL 6032A	FCEPL 6036A	FCEPL 6132A
Spindle taper		ISO 50	7:24/ISO 50	7:24/ISO 50
Distance from spindle axis to table surface	mm	0-400	0-400	30-350
Distance between spindle axis and boom	mm	175	175	215-470
Spindle speed range	(r.p.m)	58-1800	60-1700(12steps)	300-1500(18steps)
Table Size	mm	1320 x 320	1250x360	1320x320
Table travel	mm	800x750x300	600x320x400	700x255x320
Overall dimensions	mm	1900x1720x1750	1880x1700x1700	2294x1770x1665
Motor	kw	4	4	7.5
Net Weight	kg	2100	2000	2650



Bed Type Universal Milling Machines



SPECIFICATION	UNITS	FCEPL 715
Table size	mm	2100x500
No. of T-slots		4
Width	mm	20
Max. Load	Kg	2000
Longitudinal	mm	1500
Cross travel	mm	700
Vertical	mm	0-700
Feed speed	mm/min	20-1800
Rapid feed speed	mm/min	3500
Spindle speed range	r/min	40-1600
Spindle speed step	(steps)	12
Distance between spindle axis and vertical guideway	mm	610
Power of spindle motor	kW	7.5
Overall dimension	mm	3300x2380x2750
Net weight	kg	7300

SPECIFICATION		FCEPL 7140
Table size	mm	1400x400
Table travel	mm	800x400
Spindle taper		ISO50
Distance from spindle axis to vertical guideway	mm	520
Distance from spindle nose to table surface	mm	150-650
Spindle speed range	rpm	18-1800
Quill travel	mm	2290x2040x2120
Overall dimension	mm	3300x2380x2750
Motor	kw	7.5
Net Weight	kg	3660

Milling Machine

FCEPL 5036

SPECIFICATION		FCEPL 5036
Spindle taper		7:24 ISO 50
Distance from spindle axis to column		70-515mm
Distance from spindle nose to table		325mm
Range of spindle speed		60-1700r.p.m (12steps)
Swivel angle of vertical milling head		$\pm 45^\circ$
Table size (mm)		1220x360
Table	Horizontal	600mm
	Cross	250mm
	Vertical	440mm
Range of longitudinal, cross travel		24-720mm/min(8steps) (Rapid)1080mm/min
Z speed of table		- do -
T-slot of table (number-width-length)		3-14-95
Main Motor		4kw
Motor for rapid device of table (X,Y)		Optional : X,Y power speed
Motor for vertical device of table (Z)		- do -
Overall dimension		1800mmx1850mmx1880mm
Net Weight (kg)		1900



Milling / Drilling Machine

ZX 6350ZA
ZX 7550CW
ZX 5150

SPECIFICATION	Unit	ZX 6350ZA	ZX 7550CW	ZX 5150
Max. drilling dia.	mm	50	50	50
Max. horizontal milling dia.	mm	100	100	--
Max. boring dia.	mm	--	120	--
Max. Vertical milling dia.	mm	25	25	32
Max. End milling width	mm	--	--	125
Maximum tapping dia	mm	100-430	M16	--
Distance spindle to table surface	mm	--	90-490	50-580
Spindle speed range	rpm	90-2000 V/38-1310 H	115-1750/60-1350	94-2256 (16)
Spindle travel	mm	120	120	180
Table size	mm	1320x320	800x240	1220X360
Table travel	mm	600x300	400x230	600X360
Overall Dimensions	mm	1520x1285x2150	1280x1100x2080	1730X1730X2300
Motor	kw	2.2	0.85/1.5 2.2	1.5/2.4
Net Weight	kg	1350	900	2000



Milling Machine

XQ6226A

X6232A



SPECIFICATION	Units	XQ6226A	X6232A
Max. horizontal milling dia.	mm	125	-
Spindle Taper		-	ISO 40
Distance from spindle axis to column	mm	-	0-500
Distance from spindle nose to table	mm	-	100-480
Max. vertical milling dia.	mm	28	28
Distance spindle to table surface	mm	0-440	-
Spindle speeds range	rpm	35-1600	350-1600
Swivel angle of swivel head		$\pm 360^\circ$	360°
Table size	mm	1120x260	1250x320
Table travel	mm	600x300	600x320
Overall dimensions	mm	1655x1550x1730	1700x1560x1730
Motor	kw	2.2	2.2
Net Weight	kg	1480	1320



Radial Drilling Machines

Z3032x8/1, Z3040x10/1, Z3050x16/1
Z3063x20A/25, ZQ3080x16/20/25, Z30100x31/1

MODEL	Z3032x8/1	Z3040x10/1	Z3050x16/1	Z3063x20A/25	ZQ3080x16/20/25	Z30100x31/1
Max. Drilling capacity (mm)	32	40	50	80	80	100
Distance spindle axis to column generating line (mm)	320-820	300-1000	350-1600	450-2050 / 450-2550	450-1600/2000/2500	570-3150
Diameter of column (mm)	200	240	350	400	348	750
Spindle taper	MT4	MT4	MT5	MT5	MT6	MT6
Spindle travel (mm)	240	280	315	400	400	500
Spindle speeds range (r/min)	75-1220	32-2500	25-2000	20-1600	16-1250	8-1000
Spindle speeds series	6	16	16	16	16	22
Range of spindle feeds (mm/r)	0.1-0.25	0.10-1.25	0.04-3.2	0.04-3.2	0.04-3.2	0.06-3.2
Spindle feeds	3	8	16	16	16	16
Max. Distance spindle nose to working surface of base (mm)	320-900	220-1000	320-1220	—	—	—
Dimension of worktable (mm)	400x400x350	600x450x450	630x500x500	—	—	—
Dimension of base (mm)	1370x700x160	1710x800x160	2400x1000x200	—	—	—
Overall size (mm)	1407x720x1885	1760x800x2050	2500x1060x2650	—	—	4780x1630x4600
Power of main motor (Kw)	1.5	2.2	4	5.5	7.5	15
Net Weight (Kg)	1200	1600	3500	12400/12800	6700 / 7000 / 7400	20,000

Manual/Automatic Surface Grinders with Servo Drives

SD714, SD914, SD918, SD1020, SD1224

Brand Available: Toyota (Japan Machine Tools) (GAMT)

Specifications	Unit	SD714	SD914	SD918	SD1020	SD1224
Working Surface of the table	mm	175x350	225x350	225x450	250x500	300x600
Maximum height from table to Grinding Wheel	mm	175	275	275	275	275
Vertical Feed Graduation	mm	0.01	0.01	0.01x0.002	0.002	0.002
Cross Feed Graduation	mm	0.05	0.05	0.05	0.05	0.05
Spindle Speed	R.P.M.	2800	2800	2800	2800	2800
Size of Grinding Wheel	mm	175x13x31.75	200x13x31.75	200x13x31.75	200x20x31.75	200x20x31.75
Magnetic Chuck	mm	150 x 300	200 x 300	200 x 450	200 x 500	250 x 500
Electric Motor	K.W.	0.5 / 3 Phase	0.75 / 3 Phase	0.75 / 3 Phase	1.5 / 3 Phase	1.5 / 3 Phase
	RPM	3/4 HP 2800	1HP 2800	1/1.5 2800	2HP 2800	2HP 2800
Diamond Dresser	Ct.	0.5	0.5	0.5	0.5	0.5
Wheel Balancing Stand		One	One	One	One	One
Net Weight (Approx.)	Kgs.	650 – 700	700 – 750	800 – 900	900 – 1000	1200 – 1250



Features :

Manufactured to exact tolerance :

PARALLELISM

Longitudinal axis : 0.010/300mm

Cross axis : 0.010/300mm

Vertical axis : 0.01/300

SQUARENESS

X-Y-Z axis

0.010/300mm

FLATNESS

0.010/300mm

SPINDLE RUN OUT

0.010

Hydraulic Surface Grinders

SGS 818, SGS 1020,
SGS 1224, SGS 1230, SGS 1640

Brand Available: Satguru Machine Tools(SGMT).

Features :

Manufactured to exact tolerance :

PARALLELISM

Longitudinal axis : 0.010/300mm

Cross axis : 0.010/300mm

Vertical axis : 0.01/300

SQUARENESS

X-Y-Z axis
0.010/300mm

FLATNESS

0.010/300mm

SPINDLE RUN OUT

0.010



Specifications			SGS 818	SGS 1020	SGS 1224	SGS 1230	SGS 1640
CAPACITY	Overall table working area	mm	460 x 200	508 x 250	600 x 300	750 x 300	1000 x 400
	Longitudinal table travel	mm	510	575	660	780	1120
	Cross feed table travel	mm	250	280	370	320	450
	Distance spindle center to table	mm	530	535	540	480	580
	Table load including magnetic chuck	Kgs.	150	300	420	420	750
	T-slot	mmxH	1x14	1x14	1x14	1x10	3x14
TABLE & CROSS FEED	Longitudinal table speed	m/min	5-25	5-25	5-25	3-20	5-25
	Cross feed on hand wheel	1 gra. mm	0.02	0.02	0.02	0.02	0.02
		1 rev. mm	5	5	5	5	5
	Auto cross feed per stroke	mm	0.5-12	0.5-12	0.5-12	0.5-12	0.5-12
	Power cross feed	50HZ mm/min	780	790	790	790	790
Table guideway		V and flat way	V and flat way	V and flat way	V and flat way	V and flat way	
GRINDING WHEEL	Wheel dimension	mm	200x25x31.75	200x25x31.75	355x40x127	300x30x75	355x40x127
	Spindle speed	50 HZ	2850	2850	1450	1450	1450
VERTICAL MOVEMENT	Vertical on hand wheel	1 gra. mm	0.005/0.002	0.005/0.002	0.004/0.001	0.004/0.001	0.004/0.001
		1 rev. mm	2	2	2/0.5	001	2/0.5
	Auto down feed elevation (AFD)	mm	0.002-0.02	0.002-0.02	0.005-0.025	0.005-0.025	0.005-0.025
MOTOR	Spindle motor	KW	1.5	1.5	4	2.2	5.5
	Power elevation motor	KW		90	90	0.120	90
	Hydraulic motor	KW	1.5	1.5	1.5	2.2	2.2
	Coolant motor	W	90	90	90	0.40	90
	Cross feed motor	W	60	60	90	0.80	90
DIMENSION	mm	1820x1400x1800	2100x1900x1800	2600x2500x1830	2030x1600x1400	3800x2000x1872	
NET WEIGHT	Kgs.	1300	1680	1800	2000	3320	

Hydraulic Surface Grinders

GAMT 2550AH, GAMT 3060AH,
GAMT 4080AH, GAMT 50100AH

Brand Available: Guru Arjan Machine Tools (GAMT).

Features :

Manufactured to exact tolerance :

PARALLELISM

Longitudinal axis : 0.010/300mm

Cross axis : 0.010/300mm

Vertical axis : 0.01/300

SQUARENESS

X-Y-Z axis

0.010/300mm

FLATNESS

0.010/300mm

SPINDLE RUN OUT

0.010



SPECIFICATION		UNIT	2550AH	3060AH	4080AH	50100AH
Table Size		mm	250x500	300x600	400x800	500x1000
Longitudinal Travel		mm	560	700	900	1100
Cross Travel		mm	265	340	440	540
Distance Spindle to Table		mm	500	610	700	700
Scale of Handwheel	1 rev	mm	4	4	5	5
Cross Feed	1 rev	mm	0.02	0.02	0.02	0.02
Scale of handwheel	1rev	mm	2	2	2	2
Vertical Feed	1gra	mm	0.01	0.01	0.01	0.01
Spindle Speed	50Hz	rpm	1450	1450	1450	1450
	60Hz	rpm	1750	1750	1750	1750
Grind Wheel Dimensions		mm	180x13x31.75	355x32x127	355x32x127	355x40x127
Workpiece Flatness		mm	≤0.005	≤0.005	≤0.005	≤0.005
Net Weight		Kg	1350	1800	2650	3800
Gross Weight		Kg	1500	2000	3000	4200
Packing Size (L* W * H)		m	1.86x1.5 x2.0	2.0x1.8x2.1	2.3x2.3x2.1	2.8x2.8x2.3
Standard Accessories	1. Grind Wheel 2. Wheel Balancing Arbor 3. Flange Extractor 4. Grind Wheel Flange 5. Diamond Dresser 6. Work Lamp 7. Tools Box and Tools					
Included accessories	1. Magnetic Chuck 2. Water Coolant System with Water Tray					
Hydraulic Surface Grinding	1. Magnetic Chuck 2. Auto Cross feed Motor Machine accessories					
Optionals	3. Water Tank 4. Hydraulic System 5. Rapid down Feed for 4080AHR and 50100AHR 6. 2-axis digital Read Out					

Manual Surface Grinders

714, 914, 918, 1020, 1224

Brand Available: Guru Arjan Machine Tools (GAMT).

Specifications	Unit	714	914	918	1020	1224
Working Surface of the table	mm	175x350	225x350	225x450	250x500	300x600
Maximum height from table to Grinding Wheel	mm	175	275	275	275	275
Vertical Feed Graduation	mm	0.01	0.01	0.01x0.002	0.002	0.002
Cross Feed Graduation	mm	0.05	0.05	0.05	0.05	0.05
Spindle Speed	R.P.M.	2800	2800	2800	2800	2800
Size of Grinding Wheel	mm	175x13x31.75	200x13x31.75	200x13x31.75	200x20x31.75	200x20x31.75
Magnetic Chuck	mm	150 x 300	200 x 300	200 x 450	200 x 500	250 x 500
Electric Motor	K.W.	0.5 / 3 Phase	0.75 / 3 Phase	0.75 / 3 Phase	1.5 / 3 Phase	1.5 / 3 Phase
	RPM	3/4 HP 2800	1HP 2800	1/1.5 2800	2HP 2800	2 HP 2800
Diamond Dresser	Gt.	0.5	0.5	0.5	0.5	0.5
Wheel Balancing Stand		One	One	One	One	One
Net Weight (Approx.)	Kgs.	650 – 700	700 – 750	800 – 900	900 – 1000	1200 – 1250



Features :

Manufactured to exact tolerance :

PARALLELISM

Longitudinal axis : 0.010/300mm

Cross axis : 0.010/300mm

Vertical axis : 0.01/300

SQUARENESS

X-Y-Z axis
0.010/300mm

FLATNESS

0.010/300mm

SPINDLE RUN OUT

0.010

Rock Breakers



Salient Features

The breaker that we have offered to you is special, VERY SPECIAL, as enumerated here below:

- ❖ Heavy duty operating.
- ❖ Silent type, can be used in cities
- ❖ High bpm hammering and high impact energy makes it one of the best in its class
- ❖ Box type, enclosed all around. All around protection saves it from flying, stones, objects
- ❖ Box is of 42 Cr steel which not only saves breaker from corrosion but imparts extra strength to enclosure.
- ❖ Chisel is 48 hrs heat treated unlike competition which heat treats chisel for 24 hrs. Our chisel therefore is more strong, STRONGEST
- ❖ Chisel size - 68, 75, 100, 135, 140mm





श्री. सी. सुब्रह्म
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