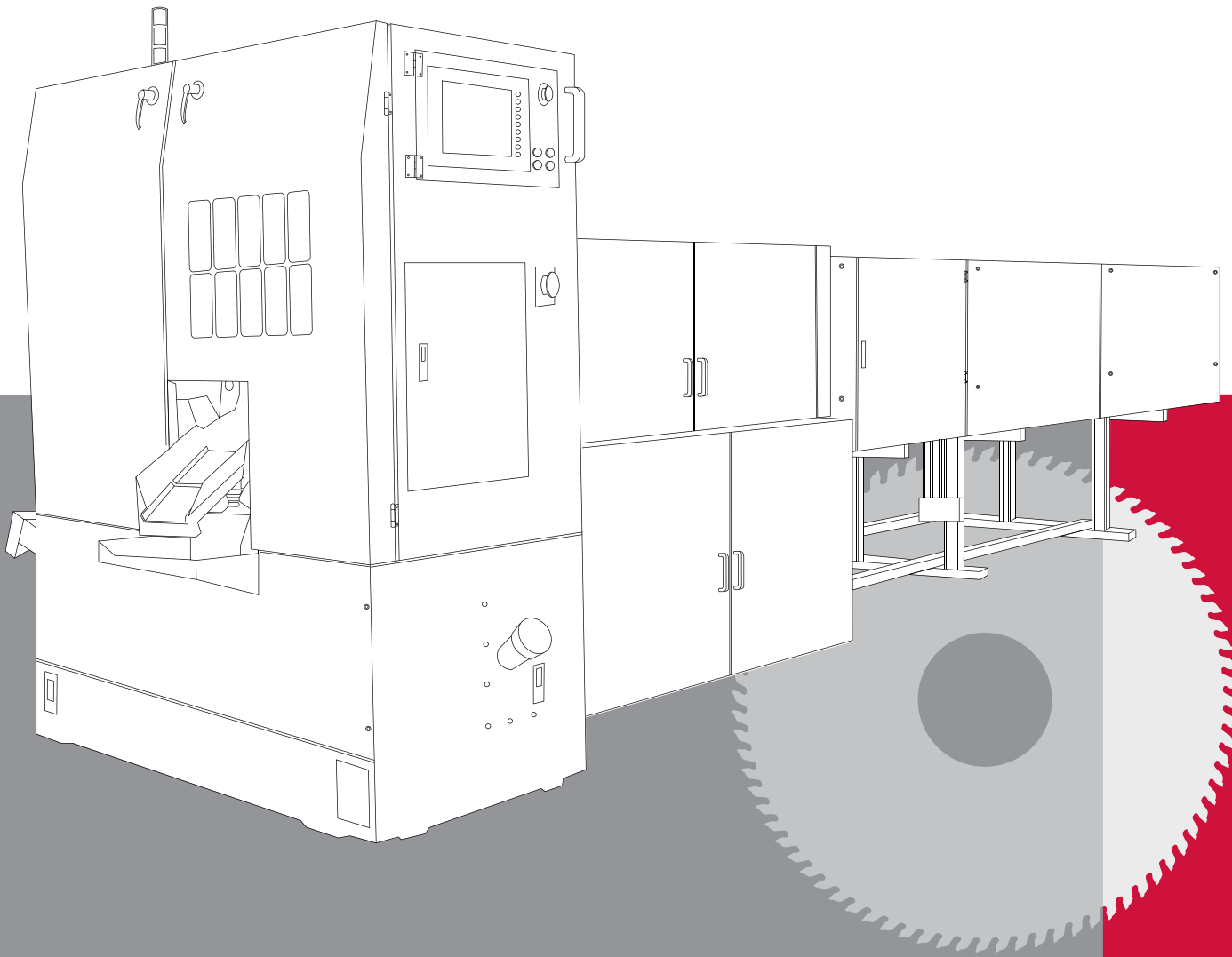




EXCEL MACHINE TECH CO., LTD.

บริษัท เอ็กเซล แมชีน เทค จำกัด

***OUR MACHINE PROVIDES
RELIABLE OPERATION AND
EXCEPTIONAL OUTPUT***



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ประวัติความเป็นมา

บริษัท เริ่มก่อตั้งเมื่อปี พ.ศ. 2531 ในนามของ หจก. เอ็กเซล เอ็นจิเนียริง ซัพพลาย

ดำเนินธุรกิจนำเข้า เพื่อจำหน่าย เครื่องจักรอุตสาหกรรมและอุปกรณ์, บริการลึบคมใบเลื่อย.

ประเภทเครื่องจักรสำหรับงานท่อโลหะ ได้แก่ เครื่องตัดโลหะใบเลื่อยวงเดือน, เครื่องดัดท่อ และ ใบเลื่อย HSS ฯลฯ

ต่อมาได้ขยายการลงทุนเพิ่มเติม และเปลี่ยนชื่อกิจการ เป็น บริษัท เอ็กเซล แมชีน เทค จำกัด.

เพื่อก้าวเข้าสู่ อุตสาหกรรมยานยนต์ และตอบสนองต่อความต้องการในการผลิต ที่ต้องการความเร็ว และมีประสิทธิภาพบริษัทฯ ได้จัดหา กลุ่มสินค้าเครื่องจักรเทคโนโลยีใหม่ๆ อาทิ เครื่องปั๊มขึ้นรูป, ระบบ Transfer System และเครื่อง MACHINING CENTER 5AXIS. ฯลฯ

ความสำเร็จของเรา คือ ความสำเร็จที่ลูกค้าได้รับความมุ่งมั่นที่จะพัฒนา เพื่อเพิ่มศักยภาพทั้งเราและท่านจะเคียงข้างกันเพื่อมุ่งสู่จุดมุ่งหมายของความสำเร็จไปด้วยกัน.

EXCEL MACHINE TECH CO.,LTD.

บริษัท เอ็กเซล แมชีน เทค จำกัด

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อุตสาหกรรมยานยนต์ทั่วโลก เทคโนโลยีก้าวล้ำ

EXCEL ผู้นำเข้าเครื่องจักรทันสมัย, รองรับการผลิตเพื่อให้ได้ชิ้นงานที่มีคุณภาพ. จากประสบการณ์นานกว่า 20 ปี เราสามารถแนะนำเครื่องจักรให้เหมาะกับการผลิตงานของท่าน มั่นใจในคุณภาพ มั่นใจในประสบการณ์ คิดสรรเครื่องจักรที่มีคุณภาพสำหรับคุณ

CIRCULAR COLD SAW

SEMI-AUTOMATIC TYPE



FHC-275SA

FHC-350SA

FHC-425SA

SPEC. / MODEL	FHC-275SA	FHC-350SA	FHC-425SA
Main Drive Motor	H Type 3.0HP / 1.5HP (2/4 Pole 50/60 HZ (std.) L Type 1.5HP / 1.0H (4/8 Pole 50/60 HZ (opt.))	3HP / 2HP (4/8 pole 50/60 HZ or) 4HP / 3HP (2/4 pole 50/60 HZ)	5HP / 3HP 2/4 pole A Low 50 HZ/ 60 HZ 70/35 rpm (std.) High 50 HZ/ 60 HZ 120/60 rpm B 3HP 6 pole (opt) 50HZ 35/20 rpm (opt.) 60HZ 42/23 rpm
Blade Speeds	L Type 50HZ 50/25 RPM (std.) Type 60HZ 60/30 RPM H Type 50HZ 100/50 RPM (opt.) Type 60HZ 120/60 RPM	L Type 50HZ 44/22 RPM (opt.) Type 60HZ 52/26 RPM M Type 50HZ 58/29 RPM (std.) Type 60HZ 70/35 RPM H Type 50HZ 86/43 RPM (opt.) Type 60HZ 105/52 RPM	
Head Swivel	90° / 45°	90° / 45°	L 45° 90° R 30°
Clamping Vise	Double	Double	Single
Coolant Pump Motor	40W	40W	1/8HP 40W
Diameter	mm HSS Ø250 - Ø275 (10"-11") (Std.) Ø250	HSS Ø250 - Ø350 (10"-14") (Std.) Ø350	HSS Ø250 - Ø425 (10"-14") (Std.) Ø350
Bore	mm Ø32	Ø32	Ø32
Pin Holes	mm 2 x Ø11 x PCD 63 mm	2 x Ø11 x PCD 63 mm	2 x Ø11 x PCD 63 mm
Air Pressure (Consumption)	6 kg/cm ² (120l/min)	6 kg/cm ² (120l/min)	-
Hydraulic Pump Motor	-	-	2HP 4P
Operation Pressure	-	-	20-30 kg/cm ²

AUTOMATIC HYDRAULIC TYPE

CNC CIRCULAR COLD SAW



FHC-475AV

- Human/machine interface control and touch sensing screen provide user friendly operations.
- HSS sawblade $\phi 250 - \phi 425$ mm, standard $\phi 350$ mm.
- Easy to operate. Extremely powerful functions.
- Length numeral monitor
- Sawblade gap compensation device (hydraulic type)



FHC-485NC

- Human/machine interface control provides user friendly operations. (Servomotor-driven in feed)
- Easy to operate. Extremely powerful functions make it ideal for small lot flexible cutting requirements.
- Touch sensing screen. Numerically controlled, provides high cutting accuracy
- Sawblade gap compensation device (hydraulic type).
- Frequency Inverter + Frequency Motor (Opt.)

SPEC. / MODEL			FHC-475AV	FHC-485NC	FHC-400CNC
Main Drive Motor				5HP 4 Pole A (Std) 2 Pole B (Opt)	4HP/3HP 2/4 Pole 50/60HZ or 3HP/2HP 4/8 Pole 50/60HZ
Blade Speeds			A 5HP / 3HP 2/4 Pole (std.) Low 50HZ / 60HZ 70 / 35RPM High 50HZ / 60HZ 120 / 60RPM B 3HP 6 Pole (opt.) 50HZ 35 / 20RPM 60HZ 42 / 23RPM	A L: 20 – 70RPM H: 35 – 120RPM (Std) B L: 40 – 140RPM H: 70 – 240RPM (Opt)	50HZ 3200RPM 60HZ 3200RPM
Frequency Inverter			-	5KW / 7.5HP	-
Head Swivel			90°		
Clamping Vise			Single		
Coolant Pump Motor			1/8HP or 1/4HP		
Max Clamping Capacity			150		
Saw Blade Size	Diameter	mm	HSS $\phi 250 - \phi 425$ (10" - 17") Standard $\phi 350$		
	Bore	mm	$\phi 32$		
	Pin Holes	mm	2 x $\phi 11$ x PCD 63 mm		
Bar Feeding Length	Single Stroke	mm	- / 5 – 650 (26")		0-700 Servo Motor
	Double Stroke	mm	5 – 1300 (51")		Complete Cutting Cycle
	Three Stroke	mm	5 – 1950 (77")		-
Length	mm	0 – 650			
Servo Motor Feeding			-	1KW	1KW
Hydraulic Pump Motor			3HP (4P)		
Operation Pressure			25 - 35 Kg/cm ²	25 - 35 Kg/cm ²	20-30 kg/cm ²

* Due to the continuous improvement on design, the specifications above are subject to change without notice

HYDRAULIC AUTOMATIC TYPE

ALUMINUM COPPER CUTTING MACHINE

For-Cutting- Non-Ferrous Metals



FHC-400CNC



GS-450
Saw Blade Sharpener



AUTO CUT-OFF SAW
AL-18 / AR-18



45° DOUBLE MITER CUT-OFF SAW
DB-350

SPEC. / MODEL	AL-18
Cutting Angle	45° & 90°
Saw Blade Size	Ø 1" x 18"
Height of Cut	135 mm
Width of Cut	300 mm
Table Height	850 mm
Spindle Motor	3 HP (5HP OP.)

SPEC. / MODEL	DB-350
Motor	2HP*2
Table Area	870* 260mm
Table Height	800mm
Max. Width of Cut	100mm
Max. Height of Cut	180mm
Saw Balde	1"x14"x2 pcs
Cutting Angle	45 Degree

BAND SAW MACHINE

7" ~ 13" MANUAL / SEMI-AUTO SERIES

MANUAL SERIES



UE-712A

Type Feature

Magnetic Switch
Step Pulley 4 Speeds

Cutting Capacity (mm)

90° ● 180 ■ 180x280 ■ 65x300
45° ● 110 ■ 180x110

N.W. / G.W.

130 kgs / 150 kgs



UE-916A

Type Feature

Step Pulley 4 Speeds

Cutting Capacity (mm)

90° ● 225 ■ 225x345 ■ 35x400
45° ● 165 ■ 225x165

N.W. / G.W.

285 kgs / 320 kgs



UE-330A

Type Feature

Step Pulley 4 Speeds

Cutting Capacity (mm)

90° ● 330 ■ 330x480 ■ 225x530
45° ● 255 ■ 280x255

N.W. / G.W.

600 kgs / 690 kgs

THREAD ROLLING MACHINE



TR-10T



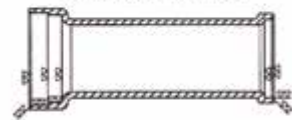
TR-80T

SPEC. / MODEL		TR-10T	TR-80T
Range of thread	Max. diameter	ø60 mm	ø100 mm
	Min. diameter	ø5 mm	ø10 mm
	Pitch	0.6-2.5 mm	0.6-10 mm
	Range of length (in-feed)	5-70 mm	5-300 mm
	Range of length (thru-feed)	under ø35: Free From ø35-50: Within 300L	Free
Speed range		20-70 RPM(Standard) TR-10T, TR-5T 50-105 RPM(Optional) TR-18T	5-100 RPM(Stepless)
Rolling Dies	Max. diameter	ø130 mm	ø235 mm
	Bore diameter	ø54 mm	ø100 mm
	Width range	70 mm	50-300 mm
	Key way	10 mm	25 mm
Dies spindle	Max. diameter	160 mm	360 mm
	Min. diameter	100 mm	210 mm
Max. rolling pressure		10 Tons	80 Tons
Main power		7.5HP (5.6kw)	30HP (22.5kw)
Floor space required		1130L x 1361W mm	2900L x 2400W mm

DOUBLE-END IRON TUBE REAMING AND CHAMFERING MACHINE



加工示意图
Processing drawing



YU-45PS Feature

- Spindle motor : 5HPx2
- Hydraulic motor : 2HP
- Spindle rotation speed is controlled by frequency converter.
- Double-end processing.
- With protective cover.
- With lubricating device for cutting.
- Manual feeding and discharging.



FULLY AUTOMATIC TUNGSTEN CARBIDE SAWING MACHINE



THC-70NC

SPEC. / MODEL		THC-70NC
Cutting Capacity		TCT carbide sawhead / HSS sawblade
Roud solid bar	mm	● 10~70 (Ø8 ~ 10 opt.)
Square solid bar	mm	■ 10~ 57
Rectangle	mm	▣ 10~57
Round pipe	mm	○ 10~70 (Ø8~10 opt.)
Square pipe	mm	□ 10~57
Maximum length of head cut	mm	10~60
Waste material length at tail end	mm	65~(65+ Cutting length)
Feeding length	mm	5~600 Continuous cycles
Material loading width	mm	950
TCT carbide sawblade		Ø250~Ø285 x t2.0

* Due to the continous improvement on design, the specifications above are subject to change without notice



AUTO DOUBLE-END CHAMFERING MACHINE FOR PIPE



FHC-75EA



FHC-110SA



加工示意图
Processing drawing



**Automatic Carriage Feeder
custom made by o.d. and length**

SPEC. / MODEL		FHC - 75EA	FHC-110SA
Spindle motor	KW (HP)	2HP (1.5KW) x 2 (PCS) (Std.) 0.4KW (1/2HP) – 2.2KW (3HP) (Opt.)	2HP-3HP
Pipe and Bar O.D. Outer & I.D. Inner Angle and end face	mm	A $\phi 12 - \phi 52$, T0.8 – 5 mm (Std.) B $\phi 5 - \phi 12$, T0.8-3mm (Opt.)	Pipe O.D. $\phi 19 - \phi 110$ Bar outer angle $\phi 12 - \phi 60$
Workpiece Length	mm	A 20 mm – 120 mm (Std.) B 6 mm – 20 mm (Opt.)	-
Cutterhead	mm	A $\phi 12 - \phi 52$, (Max. $\phi 60$) (Std.) B $\phi 5 - \phi 12$ (Opt.)	$\phi 25 - \phi 110$ (Std.) $\phi 12 - \phi 52$ (Opt.)

NC HIGH SPEED HEAVY DUTY AUTO CARBIDE CIRCULAR COLD SAW



CS-75S / CS-100S / CS-150S

SPEC. / MODEL		CS-75S		CS-100		CS-150S	
Cutting Capacity	mm	8 ~ 75	15 ~ 60	16 ~ 100 (110)	20 ~ 80(85)	50 ~ 150 (160)	70 ~ 110 (120)
	in	0.31 ~ 2.75	0.6 ~ 2.36	0.63 ~ 3.93(4.33)	0.78 ~ 3.15(3.35)	1.97 ~ 5.91 (6.3)	2.75 ~ 4.33 (4.72)
Motor Output	HP	Blade- 10/4P, Hyd.-2, Bar Feed Servo-0.65, Servo Feedrate-1.13		Blade-15/4P, Hyd.-2, Bar Feed Servo -1.13, Servo Feedrate -1.73		Blade-20/6P , Hyd.-3, Bar Feed Servo -1.73, Servo Feedrate -1.73	
	KW	Blade- 7.5, Hyd.-1.5, Bar Feed Servo-0.5, Servo Feedrate-0.85		Blade-11, Hyd.-2.23, Bar Feed Servo -0.85, Servo Feedrate -1.73		Blade-15/6P , Hyd.-2.2, Bar Feed Servo -1.3, Servo Feedrate -1.3	
Blade Size	mm	ø280(285) x ø32 x T 2.0		ø360(380) X ø40 X T2.5		ø460(480) x ø50 x T 2.7	
	in	ø11.0 (11.2)x ø1.26 x T 0.079		ø14.1(14.9) X ø1.57 X T0.098		ø18.1(18.9) x ø1.96 x T 0.106	
Blade Speed	rpm	90-130		70-130		60 - 90	
Blade Feed Cut	.	AC Servo Motor + Ball Screw		AC Servo Motor + Ball Screw		AC Servo Motor + Ball Screw	
Bar Feed	.	AC Servo Motor + Ball Screw					
Auto Feed Length	mm	Single Feed 6~600 /Multiple Feed 600~9999					
	in	Single Feed 0.23~23.62 /Multiple Feed 23.62~393.6					
Auto Chip Conveyor	-	Chain Belt Chip Conveyor (Opt.)					
Cooling System	-	Air Compressed Oil Mist					
Packing Size (L x W x H)	mm	2290 X 2240 X 2130		2550 X 2270 X 2260		2580 X 2270 X 2260	
	ft	7.51 X 7.35 X 6.99		8.36 X 7.45 X 7.41		8.46 X 7.45 X 7.41	
N.W./ G.W.	kg	2130 / 2375 (With Pallets)		2650 / 2850 (With Pallets)		3650 / 3800 (With Pallets)	
	lb	4686 / 5225 (With Pallets)		5830 / 6270 (With Pallets)		8030 / 8360 (With Pallets)	

NC TUBE BENDER

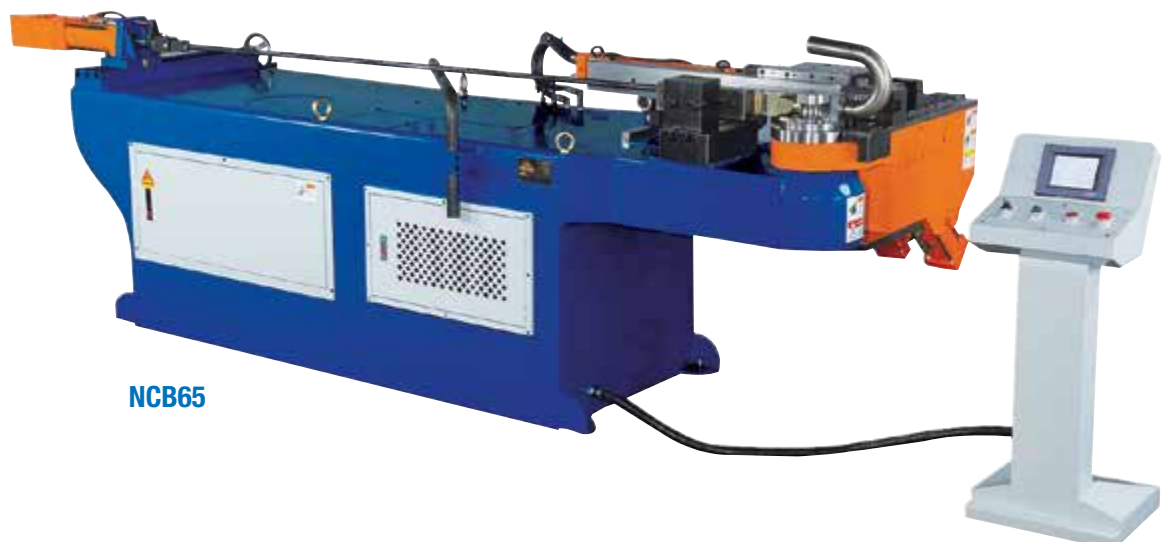
- Designed with strong clamping and bending capacity for mass production requirements.
- PLC control for single or multiple bending angle setting
- Equipped with user-friendly touch screen for easy operation
- Display alarm conditions on the screen for trouble-shooting
- Able to set up mandrel pre-backward, booster (optional) , and bending reverse angle.
- Overhead tie-bar equipped for NCB80 and larger models.
- Options for clamping style booster or rear push style booster for tight radius bends.



NCB38



NCB50

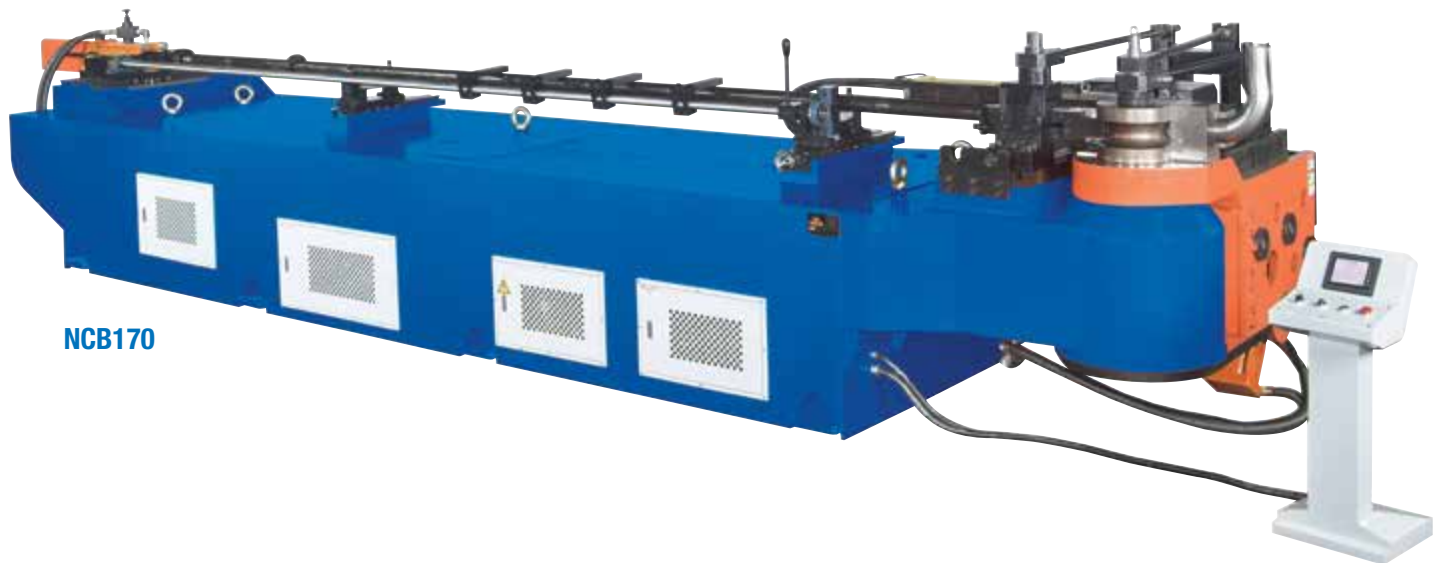


NCB65

SPEC. / MODEL		NCB25	NCB38	NCB50	NCB65	NCB80	NCB100	NCB130	NCB150	NCB170
Horse Power	hp	7.5	7.5	10	15	20	25	37.5	37.5	40
Max. Bending Capacity-Steel Tube	mm	25 x 1.2	38 x 2.0	50 x 2.0	65 x 2.2	80 x 4.0	100 x 6.0	130 X 7.0	x150 X 8.0	170 x 7.0
Max. Bending Radius	mm	120	300	450	450	500	500	500	600	600
Max. Bending Angle	°	190	190	190	190	190	190	190	190	190
Max. Feeding Length With Mandrel	mm	800	2000	2000	2300	2300	3000	3000	4000	4200
Bending Accuracy	°	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
Bending Speed	°/sec.	150	100	68	48	25	21	20	16	10
Number of Programs		99	99	99	99	99	99	99	99	99
Bending No. per Program		20	20	20	20	20	20	20	20	20



NCB80



NCB170

CNC TUBE BENDER



HC-160 CNC Series

Control axes : 3~6 axis or multi – axis
Bending stack : 1~3 stack or mult – stacks
Max. Tube O.D.; $\varnothing 16(\text{O.D.}) \times 1.5 (\text{W.T.})\text{mm}$
Max. Bending Radius : 90mm



HC-250 CNC Series

Control axes : 3~6 axis or multi – axis
Bending stack : 1~3 stack or mult – stacks
Max. Tube O.D.; $\varnothing 25.4(\text{O.D.}) \times 2.0 (\text{W.T.})\text{mm}$
Max. Bending Radius : 120mm



HC-380 CNC Series

Control axes : 3~6 axis or multi – axis
 Bending stack : 1~3 stack or mult – stacks
 Max. Tube O.D.; $\varnothing 38.1(\text{O.D.}) \times 2.0 (\text{W.T.})\text{mm}$
 Max. Bending Radius : 150mm



HC-500 CNC Series

Control axes : 3~6 axis or multi – axis
 Bending stack : 1~3 stack or mult – stacks
 Max. Tube O.D.; $\varnothing 50.8(\text{O.D.}) \times 2.5 (\text{W.T.})\text{mm}$
 Max. Bending Radius : 200mm



HC-650 CNC Series

Control axes : 3~6 axis or multi – axis
Bending stack : 1~3 stack or multi – stacks
Max. Tube O.D.; $\varnothing 63.5(\text{O.D.}) \times 3.0 (\text{W.T.})\text{mm}$
Max. Bending Radius : 250mm



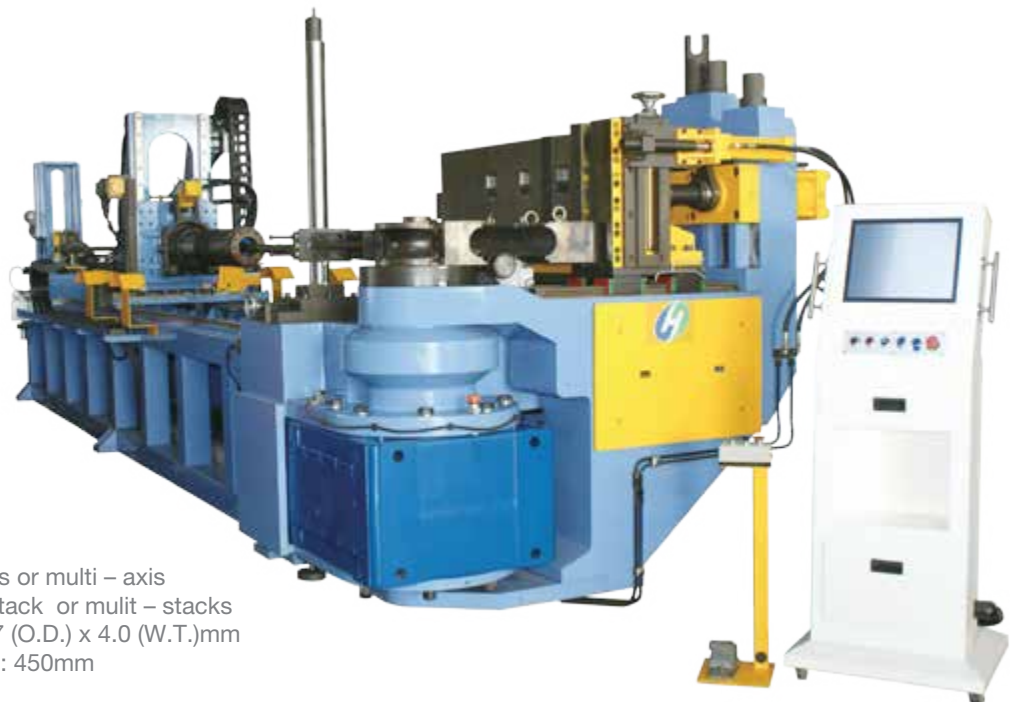
HC-800 CNC Series

Control axes : 3~6 axis or multi – axis
Bending stack : 1~3 stack or multi – stacks
Max. Tube O.D.; $\varnothing 76.2(\text{O.D.}) \times 3.0 (\text{W.T.})\text{mm}$
Max. Bending Radius : 350mm



HC-1000 CNC Series

Control axes : 3~6 axis or multi – axis
Bending stack : 1~3 stack or mult – stacks
Max. Tube O.D.; $\text{Ø}101.6$ (O.D.) x 3.5 (W.T.)mm
Max. Bending Radius : 400mm



HC-1300 CNC Series

Control axes : 3~6 axis or multi – axis
Bending stack : 1~3 stack or mult – stacks
Max. Tube O.D.; $\text{Ø}127$ (O.D.) x 4.0 (W.T.)mm
Max. Bending Radius : 450mm

MECHANICAL DESIGN

- Machines' design are based on dynamic mechanical analysis to offer reliable performance.
- Compact bend head & arm minimize the possible interferences.
- Climbing clamp design enables sufficient space to execute bending efficiently.
- Quick tooling changeover shortens set up time and comforts users.
- High quality linear guide ways mounted on sliding mechanism ensure precise and accurate motions.
- Individual electrical cabinet is mounted separately from the machine to prevent the affection of vibration.

3D SIMULATION



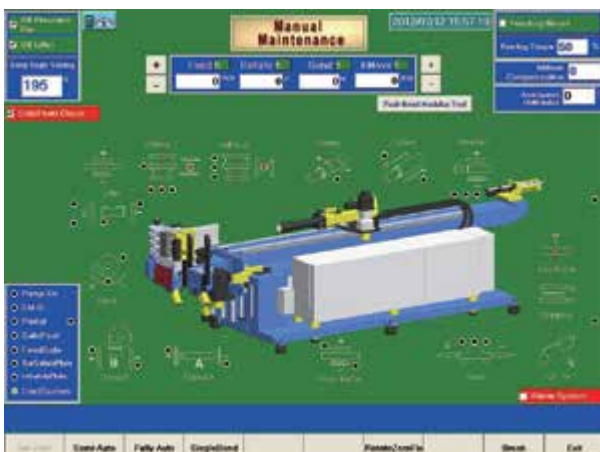
- 3D tube profile can be shown immediately when editing YBC program to help users.
- Under Auto mode, 3D tube graphic indicates current bending section by different color block.
- 3D tube preview with tooling data is shown during opening a file.
- 3D Bending Process Simulation (Optional) directs bending process in advance to avoid unnecessary waste.

COMPREHENSIVE SAFETY PROTECTION

- The servo feed system has front and rear limit switch that prevents machine parts from damage caused by operational error or machine malfunction.
- Automatic mandrel lubrication system : Air blast and lubrication time can be set as desired.
- The data and programs can be retained for 3 years in case of power failure.
- Screen protection and password protection functions prevent computer malfunction due to unauthorized modification of files.
- The electrical cabinet is equipped with an air conditioner to keep at a constant temperature. It prevents electronic parts from damage caused by high temperature.
- Equipped with emergency control stop switch.

In the case of mandrel being fitted, work piece length is not restricted (Automatic repeatedly feeding function)

OPTIMIZED & FLEXIBLE BENDING SETTING



- Operation mode : Manual, Semi-Auto, Fully-Auto, Single-Bend.
- The precise movement of each axis can be executed by setting absolute/relative value.
- User friendly interface with 17" touch screen / Icon display.
- Positions of each axis and bending angle are numerically shown on the screen.
- Each axis has 9 main speeds with 10 fine –tune speeds to satisfy various applications.
- Anticipated clamping motion for clamp/pressure can be set individually to save cycle times.
- Simultaneous axis movement on Y.B.C significantly upgrades productivity.
- Batch working function, 4 files can be scheduled to produce sequentially.
- Re-organized motion procedure to avoid touch-points effectively, under move-in/out/stack-change status to execute feeding, un-bending, rotating.
- The individual motion can be set as requested during the bend cycle, such like Mandrel (On / Off), 2-steps MDR retraction, boost function ...
- Teach / Process function, any motions can be customized to successfully return the bend-arm to initial position.
- As per request, loading a tube under move-in/out status can be specified.
- Repeatable feeding / Re-capture functions are available for feeding.
- Repeatable Pressure die sliding function can be customized to execute in order to overcome large angle bending.
- Overall length recommendation, the system calculates the necessary length automatically when Y.B.C data has been set.
- Total, present, count-down functions are available in the workload counter.
- Automatic display of single piece's sawing time, convenient to control production efficiency.
- X.Y.Z- coordinate can be converted to Y.B.C axis.
- Mirror function enables users to get a symmetrical shape immediately.
- Reverse function enables users to get a reverse shape immediately.

TOOLING AND ACCESSORIES

STANDARD BENDING TOOLING

OPTIONAL TOOLING



Bending Die



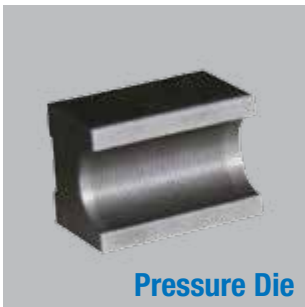
Clamp Die



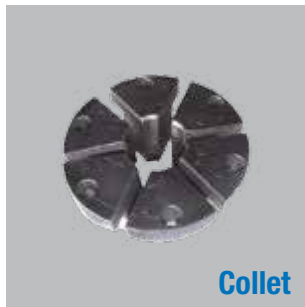
Wiper Die



Plug Mandrel



Pressure Die



Collet



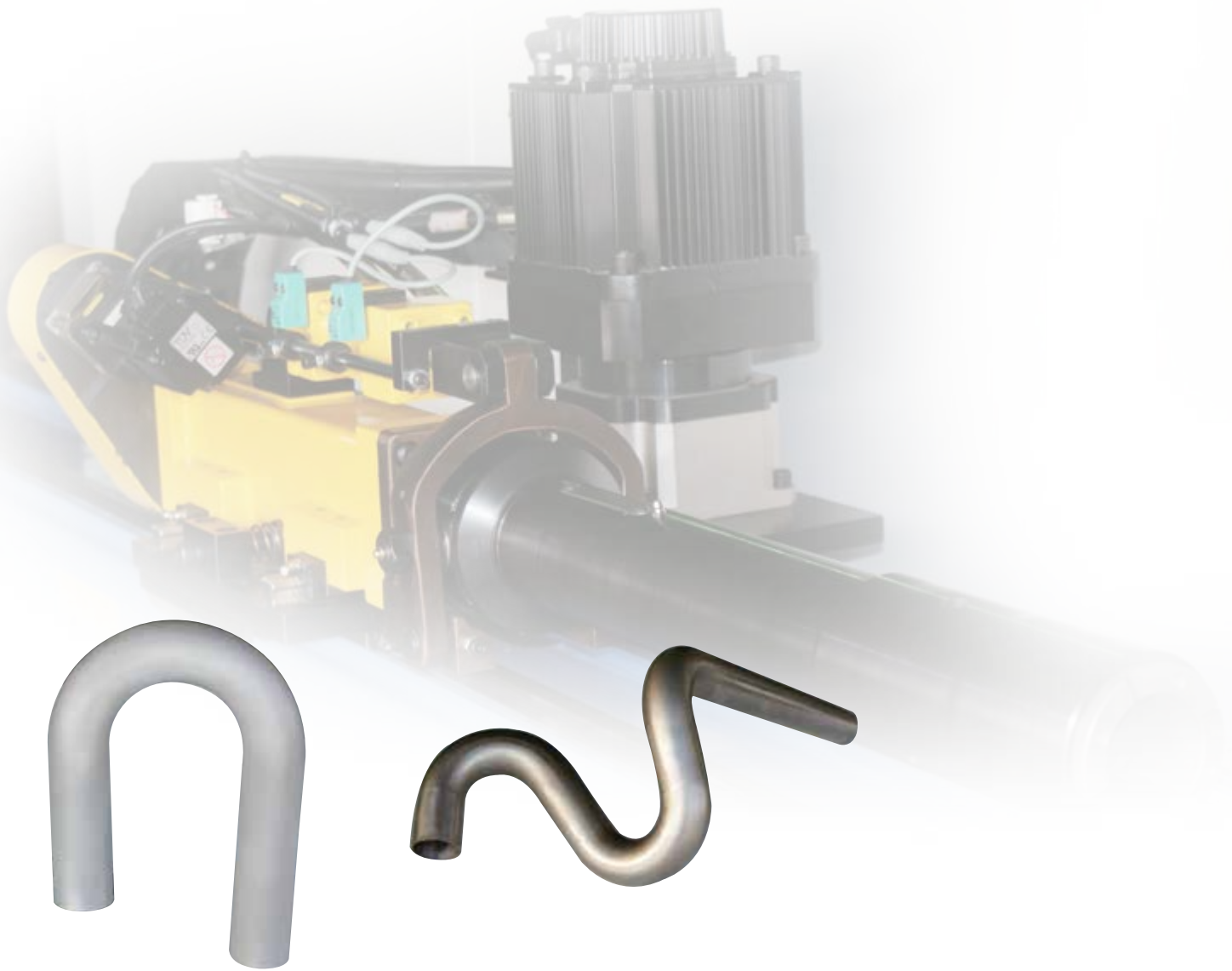
Ball mandrel



Flexible mandrel

SPECIFICATIONS

SPEC. / MODEL		HC-160 CNC series	HC-250CNC series	HC-380CNC series
Max. Tube O.D. &W.T. (O.D. xt)	Mild Steel	Ø16 x 1.5t	Ø25.4 x 2.0t	Ø38.1 x 2.0t
	Stainless Steel	Ø12 x 1.5t	Ø22 x 1.5t	Ø32 x 1.8t
	Rectangle Pipe	□12 x 1.2t	□22 x 1.5t	□32 x 1.8t
Max. Draw Bending Radius (mm)		90	120	150
Max. Bending Angel		200°	200°	200°
Max. Effective Mandrel Length (mm)		1000	1500	2000
Bending	Accuracy	±0.05	±0.05	±0.05
	Speed / Sec.	180°	160°	150°
feeding	Accuracy	±0.05	±0.05	±0.05
	Speed / Sec.	1200	1100	1100
Rotation	Accuracy	±0.05	±0.05	±0.05
	Speed / Sec.	300°	260°	240°
Max. Bending Radius Difference (R) R R1-R2		30	40	50
Dimension of Machine (LxWxH)		2700x1250x1200	3500x1300x1200	4200x1500x1300
Weight of Machine (Kgs)		1200kg	1400kg	2200kg

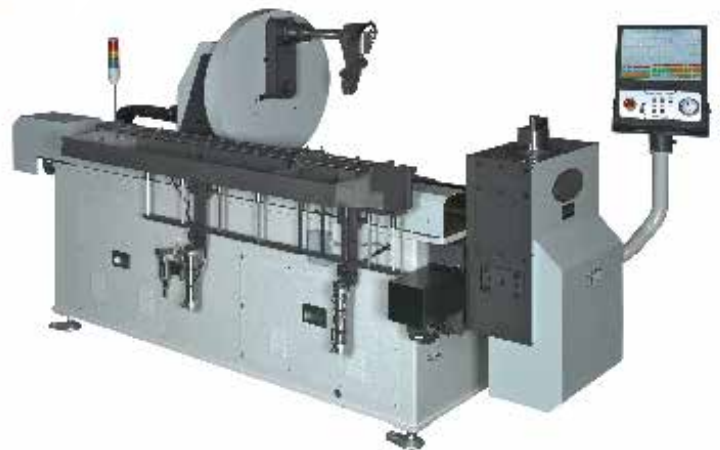


HC-500 CNC series	HC-650CNC series	HC-800CNC series	HC-1000 CNC series	HC-1300 CNC series
Ø50.8 x 2.5t	Ø63.5 x 3.0t	Ø76.2 x 3.0t	Ø101.6 x 5.0t	Ø127 x 5.5t
Ø45 x 2.0t	Ø50.8 x 2.0t	Ø65 x 2.5t	Ø90 x 2.0t	Ø114 x 3.0t
□40 x 2.5t	□50 x 2.5t	□63 x 3t	□90 x 2t	□100 x 3t
200	250	350	400	450
200°	200°	190°	190°	190°
2500	3000	3500	4000	4500
±0.05	±0.05	±0.05	±0.1	±0.1
110°	100°	85°	55°	38°
±0.05	±0.05	±0.05	±0.05	±0.05
1000	1000	950	850	850
±0.05	±0.05	±0.05	±0.05	±0.05
200°	200°	180°	120°	100°
60	65	70	75	80
5100x1600x1300	6000x1700x1350	6300x2150x1500	7500x2000x1500	10000x2200x1800
4500kg	5000kg	8000kg	11000kg	13000kg

CNC WIRE BENDING MACHINE



3D-R70



**3D-OR100S
Loading Magazine**



**3D-OR70C
Decoiler Loading**



3D-R100 / 3D-R130



SPEC. / MODEL		3D - R70	3D - R100	3D - R130	3D - OR70C	3D - OR100S
Capacity	Soft wire	2.5mm ~ 7.0mm	3.5mm ~ 10.0mm	4.0mm ~ 13.0mm	2.5mm ~ 7.0mm	2.0mm ~ 10.0mm
	Hard wire	2.0 ~ 4.5mm	3.0mm ~ 6.0mm	3.0mm ~ 7.0mm	2.0 ~ 4.5mm	2.0 ~ 7.0mm
Power		3 AC 220V (3Phase AC 220V)	3 AC 220V (3Phase AC 220V)	3 AC 220V (3Phase AC 220V)	3 AC 220V (3Phase AC 220V)	3 AC 220V (3Phase AC 220V)
Total Installed Power		5(kw)	10(kw)	10(kw)	5(kw)	5(kw)
Dimension		1,360(W) * 3,200(L) * 1,690(H)	1,200(W) * 2,650(L) * 1,750(H)	1,340(W) * 2,700(L) * 1,780(H)	1,450(W) * 3,300(L) * 1,540(H)	1,520(W) * 2,580(L) * 1,450(H)
Weight		1,930kg	2,270kg	2,430kg	1,230kg	1,230kg
Servo		3 Axis	3 Axis	3 Axis	9 Axis	6 Axis
Wire Feeding		1.2kW 1000rpm	6kW 1500rpm	6kW 1500rpm	-	-
Bending Sleeve		1.2kW 1000rpm	6kW 1500rpm	6kW 1500rpm	-	-
Wire Rotation		1.2kW 1000rpm	6kW 1500rpm	6kW 1500rpm	-	-
Uncoiler		1.5t	2.0t	2.0t	-	-



3D-DR120S
Loading Magazine



3D-DR120C
Decoiler Loading

SPEC. / MODEL		3D - DR120S	3D - DR120C
Capacity	Soft wire	2.5mm ~ 7.0mm	2.5mm ~ 7.0mm
	Hard wire	2.0mm ~ 4.5mm	2.0mm ~ 4.5mm
Power		3 AC 220V (3Phase AC 220V)	3 AC 220V (3Phase AC 220V)
Total Installed Power		10(kw)	10(kw)
Dimension		2,150(W) * 3,900(L) * 1,800(H)	1,600(W) * 3,900(L) * 1,800(H)
Weight		2,750kg	2,450kg
Servo Axis		7 Axis	10 Axis
Feeding(A)		1.2kW 1000rpm	1.2kW 1000rpm
Feeding(B)		1.2kW 1000rpm	1.2kW 1000rpm
Bending(A)		1.2kW 1000rpm	1.2kW 1000rpm
Bending(B)		1.2kW 1000rpm	1.2kW 1000rpm
Wire Rotation(A)		1.2kW 1000rpm	1.2kW 1000rpm
Wire Rotation(B)		1.2kW 1000rpm	1.2kW 1000rpm
Finger Rotation		1.2kW 1000rpm	1.2kW 1000rpm
Leveling Device Movement		-	1.2kW 1000rpm
Finger Device Movement		-	1.2kW 1000rpm
Cutting Device		-	1.0kW 3000rpm
Uncoiler		-	1.5t

HEAVY DUTY METAL

COIL MATERIAL PRODUCTION LINE



**Tomac 3 in 1 NC Feeder Straightener
TLN 4 series**

Thickness : 0.6 ~ 6.0 mm

Width : 400 ~ 1000 mm



**Tomac 3 in 1 NC Feeder Straightener
TLN 2 series**

Thickness : 0.3 ~ 3.2 mm

Width : 300 ~ 800 mm

HYDRAULIC PRESS

MACHANICAL PRESS

Hot/Cold Forging Machine
Capacity : 200T-4000T

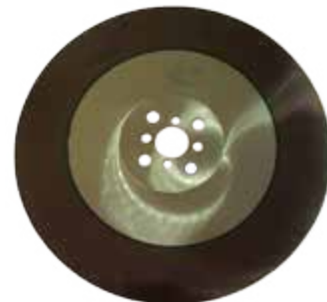
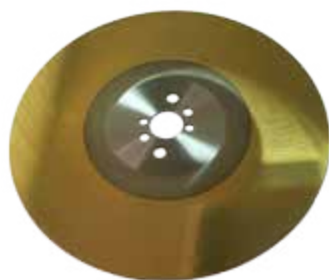


Progressive / Transfer Presses
Capacity : 200T-1000T

- Link Press
- C-Type Presses
- Double Crank Power Presses
- Double Crank Link Presses
- Double Point Crankless Presses
- Single Point Fine Blanking Presses

CIRCULAR SAW BLADE

CIRCULAR SAW BLADE - HSS



TiN
Excellent for all steels
RED
Excellent for

TiAIN
"Very high performance"
recommended for high
tensile strength material



diameters (mm)	thickness	centre bores	pinhole
250	1.0	25.4	11/4/1963
250	1.2	25.4	11/4/1963
250	1.5	32	11/4/1963
250	2.0	32	11/4/1963
260	1.5	25.4	11/4/1963
275	1.75	32	11/4/1963
275	2.0	32	11/4/1963
275	2.5	32	11/4/1963
300	1.2	25.4	11/4/1963
300	1.5	25.4	11/4/1963
300	1.6	32	11/4/1963
300	2.0	32	2/11/63+2/12/64+2/8/45+2/9/50
315	2.5	32	11/4/1963
350	2.0	32	11/4/1963
350	2.5	40	11/4/1963
360	2.0	32	11/4/1963
400	2.5	32	11/4/1963
400	2.5	50	4/14/85+4/15/80
450	2.5	32	11/4/1963
450	2.5	50	4/14/85+4/15/80

BAND SAW BLADE

HIGHSPEED M42



		Number of teeth													
mm	inch	3/4	4	4/6	5/8	6/10	6	8/12	8	10/14	10	14	18	14/18	
6 x 0.90	1/4" x 0.035									□	□	□			
10 x 0.90	3/8" x 0.035										□	□			
13 x 0.65	1/2" x 0.025						■		■	■	■	■			
13 x 0.90	1/2" x 0.035						■		■	■	■	■			
19 x 0.90	3/4" x 0.035			■	■	■	■	■	■	■	■	■	■	■	
27 x 0.90	1" x 0.035	■	■	■	■	■	■	■	■	■	■	■	■	■	
34 x 1.10	1 1/4" x 0.042	■	■	■	■	■	■	■	■	■	■	■	■	■	
41 x 1.3	1 1/2" x 0.050	■	■	■	■	■	■	■	■	■	■	■	■	■	

		Number of teeth													
mm	inch	0.75/1.25	1.1/1.4	1.25	1.4/2	2/3	2	3/4	3	4/6	4	5/8	6		
6x0.90	1/4" x 0.035													□	
10 x 0.90	3/8" x 0.035										□			□	
13 x 0.65	1/2" x 0.025										■	■	■		
13 x 0.90	1/2" x 0.035									■	■	■	■		
19 x 0.90	3/4" x 0.035								■	■	■	■	■		
27 x 0.90	1" x 0.035								■	■	■	■	■		
34 x 1.10	1 1/4" x 0.042			□					■	■	■	■	■		
41 x 1.30	1 1/2" x 0.050			□	■	■	■	□		■	■	■	■		
54 x 1.30	2" x 0.050				■	■	■	■		■	■	■	■		
54 x 1.60	2" x 0.062	■	■	■	■	■	■	■		■	■	■	■		
67 x 1.60	2 5/8" x 0.062	■	■	■	■	■	■	■		□					
80 x 1.60	3 1/8" x 0.062	■	■	■	■	■	■	■							



CIRCULAR SAW BLADE

For Metal Working (CERMET, CARBIDE)



Application

Cut solids and tubes

Machine

Cold saw machines
(MEGA, TSUNE and others)

EdgeMaterial

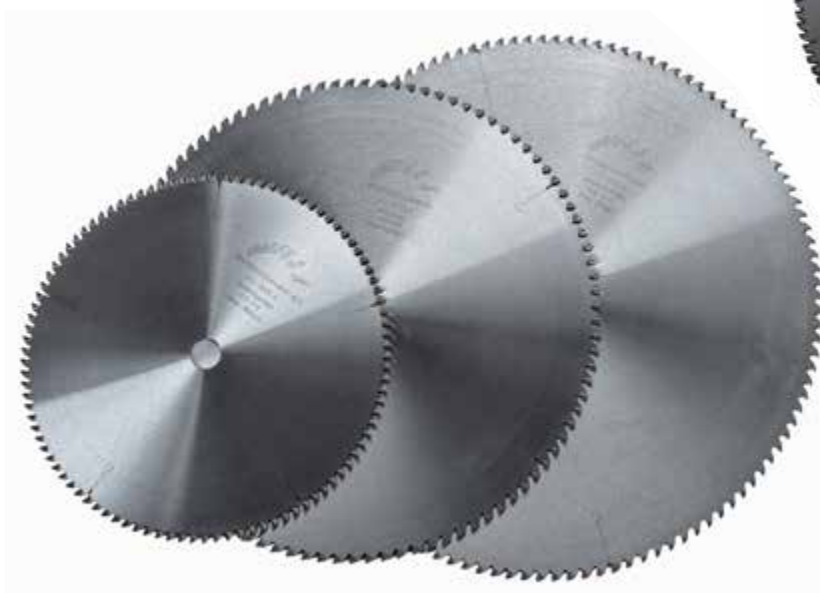
Tungsten Carbide and
Cermets

diameters (mm)	Z	centre bores
240 x 2.0 x 1.75	60	32
250 x 2.0 x 1.75	54	32
250 x 2.0 x 1.75	72	32
280 x 2.0 x 1.75	54	32
280 x 2.0 x 1.75	72	32
280 x 2.0 x 1.75	80	32
280 x 2.0 x 1.75	120	32
285 x 2.0 x 1.75	54	32
285 x 2.0 x 1.75	60	32
285 x 2.0 x 1.75	72	32
285 x 2.0 x 1.75	80	32
360 x 2.6 x 2.25	60	40
360 x 2.6 x 2.25	80	40
360 x 2.6 x 2.25	100	40
380 x 2.6 x 2.25	80	40

*Please check for other diameters.

CIRCULAR SAW BLADE

For Aluminium tube



Application

Cut Aluminium tube

Machine

Straight Sawing machine

EdgeMaterial

Coated Tungsten Carbide

diameters (mm)	Z	centre bores
255 x 3.0 x 2.5	80	25.4
255 x 3.0 x 2.5	100	25.4
305 x 3.0 x 2.5	100	25.4
355 x 3.0 x 2.5	100	25.4
355 x 3.0 x 2.5	120	25.4
405 x 3.0 x 2.5	100	25.4
405 x 3.0 x 2.5	120	25.4
455 x 3.0 x 2.5	120	25.4

*Please check for other diameters.



EXCEL MACHINE TECH CO.,LTD.

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