GENERAL SPECIFICATION

Description		FSG-B818CNC	FSG-H818CNC	FSG-C1224CNC
Table Size		8"X18"(203X457mm)		12"X24"(305X610mm)
Max. Grinding Length	Longitudinal	18"(457mm)		24"(610mm)
Max. Grinding Width	Crosswise	8"(203mm)		12"(305mm)
Max. Distance from Table urface to Spindle Centerline		19"(480mm)		24"(610mm)
Longitudinal Movement	Max. table load	440lbs(200kg)		920lbs(420kg)
	T-Slot Size x Number	15/32"x1(12mmx1)		9/16"x1(14mmx1)
	Table Speed infinitely variable	0.032~49 fpm (10~15000mm/min)	0.065~82 fpm (20~25000mm/min)	0.032~49 fpm (10~15000mm/min)
	Max. Travel	25 1/2"(650mm)		32"(810mm)
Cross Transverse Travel	Max. Travel	11"(280mm)		15 3/4"(400mm)
	Column Feed infinitely variable	10 fpm(3000m/min)		0~10 fpm(0~3000mm/min)
	Least Input Increment	0.0001"(0.001mm)		0.0001"(0.001mm)
	Cross Feed,intermittent/stroke	(by NC Data)		(by NC Data)
Wheelhead Vertical infeed	Least Input Increment	0.0001"(0.001mm)		0.0001"(0.001mm)
	Wheelhead Feed,Infinitely variable	3 fpm(1000mm/min)		0~3 fpm(0~1000mm/min)
	Auto.infeed	(by NC Data)		(by NC Data)
Grinding Spindle Drive	Speed	500~3500rpm		500~3500rpm
	Power Rating(AC SERVO)	15HP(11KW), Opt.20HP(15KW)		30HP(22KW), Opt.50HP(37.5KW)
Standard Grinding Wheel	Diameter	12"(305mm)		14"(365mm)
	Width	1 1/4(31.75mm)		4"(102mm)
	Bore	3"(76.2mm)		5"(127mm)
Rated Power, Approx.		20HP(15KW),25HP(18.7KW Opt.)		56HP(42KW), 76HP(54KW)Opt.
Floor Space (LXWXH)		118"X134"X92" (3000X3400X3250mm)		158"X116"X105" (4000X2940X2660mm)
Machine Weight, Approx.		8708lbs(3950kg)		19800lbs(9000kg)

Notice: The manufacturer reserves the right to modify the design, specifications, mechanisms....etc. of the machine without notice.
All the specifications shown above are just for reference.

STANDARD ACCESSORIES

Note: The items marked " • " with are stored in the tool box.

1. Tool box
2. Wheel flange
- 3. Balancing arbor
4. Grinding wheel
- 5. Diamond dresser
- 6. Adjustable wrench
- 7. Setting bolt and nut
- 8. Plugs
- 9. Screw driver
- 10. Levelling screws & nuts
- 11. Hex wrenches
- 12. Leveling pads
- 13. Fuses
- 14. Touch-up paint
- 15. Machine Lamp (1224CNC)

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Printed in Taiwan

CHEVALIER®

FSG-H818CNC/B818CNC /C1224CNC

HIGH EFFICIENCY PRECISION CNC PROFILE GRINDER

ISO 9001 BSMI REGISTERED CERT. NO. SM1Y027 IT'S VERY WELL MADE IN TAIWAN

FSG-H/B818CNC/C1224CNC

HIGH EFFICIENCY PRECISION CNC PROFILE GRINDER

ISO-9001 CERTIFIED FACTORY

CHEVALIER is the first machine tool manufacturer in Taiwan to receive the ISO-9002 certification in 1992.

Received the ISO- 9001 certification in 1996,12.

PRODUCT CREATIVITY AWARD (818CNC)

This machine won the first prize in "Machine Tools' Research and Development Contest, 1992" for its unique and creative design.

THE BEST ORIGINAL BRAND PRIZE

Awarded the best original brand prize in 1989 from CETRA.

PRODUCT CREATIVITY AWARD(1224CNC)

This machine won the first prize in"Machine Tools' Research and Development Contest, 1997" for its unique and creative design.

OUTSTANDING PRODUCTS PRIZE

FSG-818CNC has been awarded as one of the top 20 outstanding Products of TAIWAN in 1993.

Patents:

- Diamond disc dresser for wheel forming
- Interlock device to secure Electromagnetic chuck safety
- Rotary wheel dresser
- Intant overload protection device
- Machine outlook

IT'S VERY WELL MADE IN TAIWAN

FSG-B818CNC

Note:Machine shown with optional accessories.

FSG-H818CNC · B818CNC
HIGH EFFICIENCY PRECISION CNC PROFILE GRINDER

The FSG-H818CNC & FSG-B818CNC grinding machines are high precision, high efficiency multi purpose CNC profile grinders. These machines are designed to meet current and future grinding requirements such as intricate profiles, mold components and are well suited for parts of aircraft, automobile, electronic, medical, machine tool, and defense industries.

High Precision

Column and wheelhead traverse on precision roller bearings and hardened and ground guideways that are pre-loaded and driven by a precision ballscrew, to provide excellent rigidity and precise positioning.

High Effieciency

FANUC 0M controller provides full automation through programming in order to grind multi-shaped workpieces and complete the entire grinding processes from rapid approaching, rough grinding, wheel dressing with auto compensation, and fine grinding in one fully automatic cycle.

Multi Purpose

Grinding types such as, surface, plunge, pitch, side, profile, form, index, and creepfeed grinding significantly enhance the machine versatility.

Integrated Structure

Intergrated machine structure is well suited for heavy duty grinding. Creepfeed grinding can be utilized to grind deep slots with a single pass through high hardness materials.

Totally Enclosed Splash Guard

Forced flood coolant, accompanied by a totally enclosed splash guard efficiently cools the workpiece avoiding thermal damage and distortion to the accuracy of workpiece.

Crossfeed And Elevating Drive

Crossfeed and Elevating axes are positioned by precision ballscrews and an AC servo motor for providing superior accuracy and execellent longevity.

Steady And Smooth Table Drive (FSG-H818CNC)

The two mode air cooled hydraulic table drive can be set to low speed for creepfeed grinding or high speed for conventional grinding, to add to the machine versatility.

Steady And Precise Table Drive (FSG-B818CNC)

Table is driven by a precision ballscrew and an AC servo motor, to provide precise positioning and achieve optimun speeds needed for creepfeed grinding.

FSG-H818CNC

Note:Machine shown with optional accessories.

FSG-C1224CNC
HEAVY DUTY CNC CREEPFEED & PROFILE GRINDER

The FSG-C1224CNC grinding machine, with 30HP spindle motor, is a heavy duty, high precision, high efficiency, multi-purpose CNC creepfeed and profile grinder. This machine is designed to meet current and future grinding requirements such as intricate profiles and mold components and is well suited for aircraft, automobile, electronic, medical, machine tool and defense industry parts..

Integrated Structure

Wheelhead traverse on Turcite-B laminated guideways, which are driven by a precision ballscrew, provide excellent rigidity and precise positioning. Coulmn travels on linear guideway system which provide precise positioning, high rigidity and smooth movement of the machine. Integrated machine structure with well designed ribs, the machine is suitable for heavy duty creepfeed grinding.

Multi Purpose

Advanced grinding cycles such as surface, plunge, pitch, side, profile, form, index, and creepfeed grinding significantly enhance the machine versatility.

Steady And Precise Table Drive

Precision ballscrew and an AC servo motor provide precise table positioning to achieve optimun speeds for creepfeed grinding.

High Efficiency

A FANUC 0M controller provides full automation through programming for grinding multi-shaped workpieces and complete the entire grinding processes.This includes rapid approaching, rough grinding, wheel dressing with auto compensation and fine grinding in one fully automatic cycle. With wheelhead mounted automatic rotary diamond dresser (opt. B13-0818 or B13-1201), the grinding wheel can be dressed continuously. Thus the grinding wheel will be at best condition always for grinding application, and the wheel dressing time can be reduced to minimum. So the machine grinding efficiency can be increased a lot.

Totally Enclosed Splash Guard

A forced flood coolant, accompanied by a totally enclosed splash guard cools the workpiece efficiently and helps prevent thermal damage and workpiece distortion.

Crossfeed And Elevating Drive

Crossfeed and Elevating axes are positioned by precision ballscrews and an AC servo motor for providing superior accuracy and execellent longevity.

FSG-C1224CNC

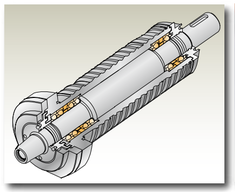
Note:Machine shown with optional accessories.

FSG-H/B818CNC/C1224CNC

HIGH EFFICIENCY PRECISION CNC PROFILE GRINDER

Spindle (including heat emission device)

Supported by six super precision angular contact bearings,spindle can perform heavy duty grinding loads. Spindle is air-cooled to minimize temperature increase and ensure spindle accuracy.(Air compressor is optional)



Coolant Drainage

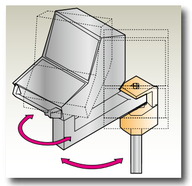
The enlarged and properly sloped drainage through on the upper machine base enables rapid coolant drainage needed to accommodate large volume of coolant flow during creepfeed grinding.

Totally Enclosed Splash Guard

The unique totally enclosed watertight splash guard accommodates heavy volume coolant flow for optimum grinding capability and provides safer environment for the operator.

Control Panel

Control panel with 8.4" TFT LCD can display grinding position and program execution status, allowing operator to monitor grinding operation. Control panel can also be moved to a comfortable position for operator's convenience.

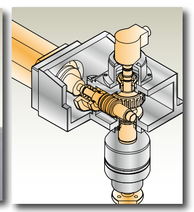


Single Piece Base Casting

Specially designed single piece base casting offers superior rigidity and extends longevity.

Elevating Encoder Device

Elevating encorder, mounted on the top of elevating ballscrew, acting with clutch can directly encode the downfeed amount, thus eliminating error, increasing accuracy, and extending longevity.



FSG-B818CNC

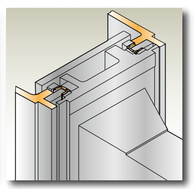
Note:Machine shown with optional accessories

FSG-C1224CNC

Note:Machine shown with optional accessories

Elevating Guide Way (818CNC)

Wheelhead travels on hardened and ground guide ways,interfacing with adequately pre-loaded rollers. The wheelhead is driven by precise ballscrew for accurate positioning at 0.00005"(0.001mm)minimum downfeed increment.

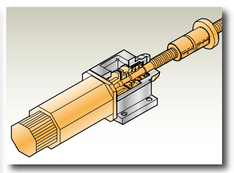


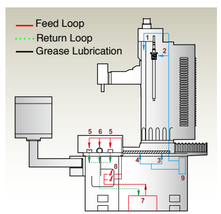
Lubrication System (818CNC only)

Forced lubricant automatically flows to all guideways and mechanism that require lubrication. A pressure switch interlock prevents the spindle from running before lubrication pressure is established and stops the machine if lubrication supply fails, enhancing the machines longevity and accuracy.

Longitudinal Mechanism (B818CNC/C1224CNC)

Table travels on double-Vee guide ways coated with Turcite-B anti-friction material offering low friction and enhancing longevity. Driven by precise ballscrew, this mechanism ensures positioning accuracy for creepfeed and heavy duty grinding.

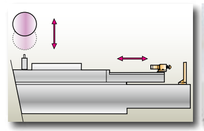




1. Column Slideways
2. Elevating Ballscrew
3. Base Guideways
4. Crossfeed ballscrew
5. Table Guideways
6. Ballscrew Rod
7. Lubricator
8. Flow Divider
9. Grease Gun

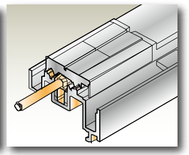
Automatic Dressing Function

To reach the dressing position, a hydraulic buffer is used to ensure the positive stop of the table at the exact position. Automatic wheel dressing with compensation is also included.(Diamond dresser is optional)



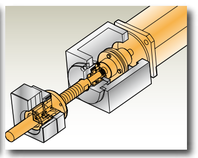
Longitudinal Mechanism (H818CNC)

Table travels on double-Vee guide ways coated with Turcite-B anti-friction material providing low friction and excellent longevity.Table is driven by hydraulic system, capable of reaching speeds as low as 20 mm/min, to facilitate creepfeed grinding.



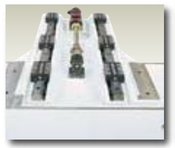
Crossfeed Guideway System (B/H818CNC)

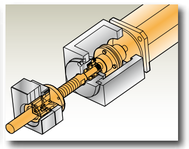
Column moves on hardened and ground guide ways, interfacing with adequately pre-loaded rollers. Column driven by precision ballscrew and FANUC AC Servo Control system, providing precise in/out movement.



Crossfeed Guideway System (C1224CNC)

The guideway system is composed of linear guideway system, and hardened high precision ballscrew interfaced with AC Servo motor. It can effectively arrest shaking and backlash to provide precise in/out movement.

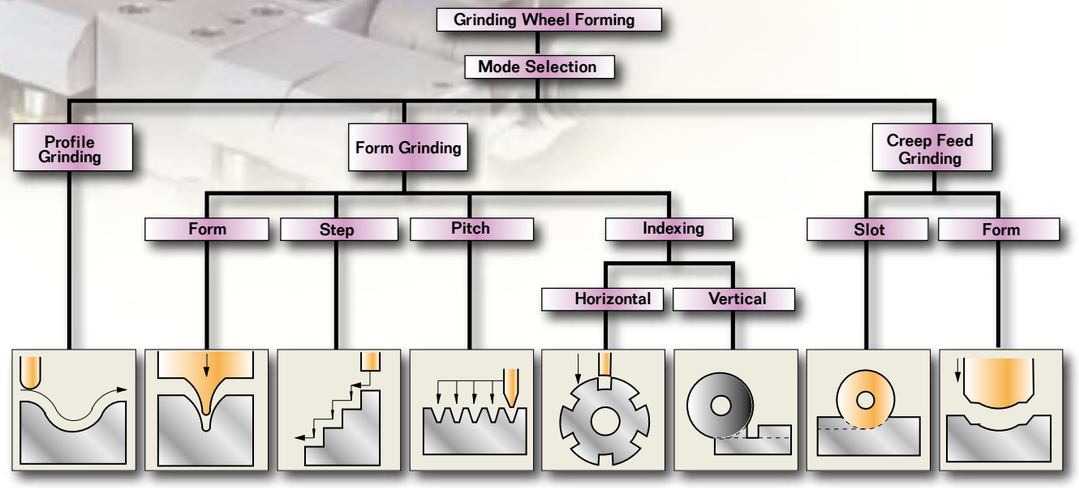




DISPLAY AND CONTROL PANEL

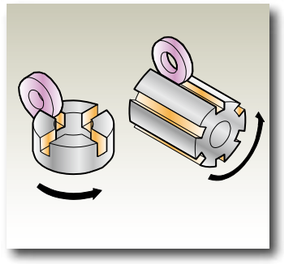
1. All executing function are well indicated. Main power, machine zero,end of program,magnetic chuck voltage,dressing,lubrication conditions are all shown by indicating LEDS.
2. The 8.4" TFT LCD color monitor position,program and working condition as well as self-displayed on the screen for the operator's convenience.
3. One piece soft-key keyboard not only dustproof and waterproof but also offers maintenance free features.
4. Easy to operate switch coped with indicating lights, to assure positive operations.
5. For the operator's convenience,not only the magnetic force can be adjusted but also the demagnetizing time.(operation)
6. Well deveoped testing functions can verify NC program thoroughly to ensure accident-free operation.
7. With MPG,feedrate override switches and JOG buttons,manual operation becomes easy and convenient.

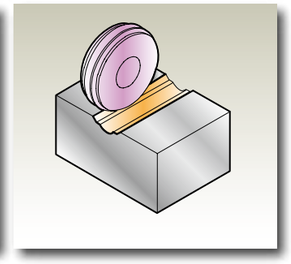
FSG-H/B818/C1224CNC



Indexing Grinding

By using horizontal or vertical indexer or applicable holding fixture, machine can grind various indexing shapes and slots.



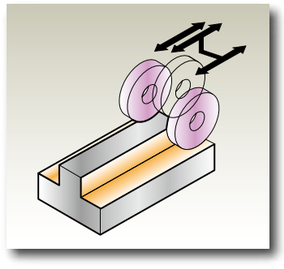


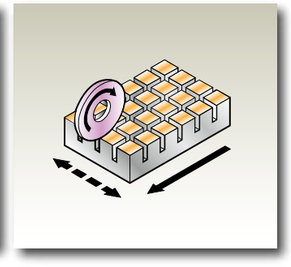
Heavy Duty Creepfeed Grinding

Creepfeed grinding can enhance efficiency for form and plunge grinding.

Step Grinding

Multi level surface can be ground in one grinding cycle.



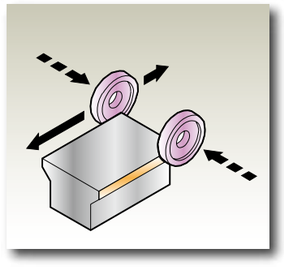


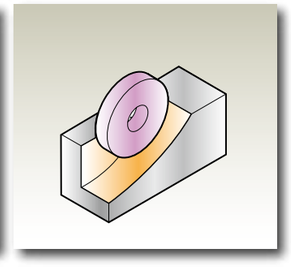
Slice Grinding

Thin slices can be creepfeed ground. Excellent results can be obtained when slicing ceramic materials.

Side Grinding

Both sides of workpiece can be ground in one cycle. Two sides of grinding wheel can be dressed and compensated automatically during the grinding cycle.





Punch Grinding

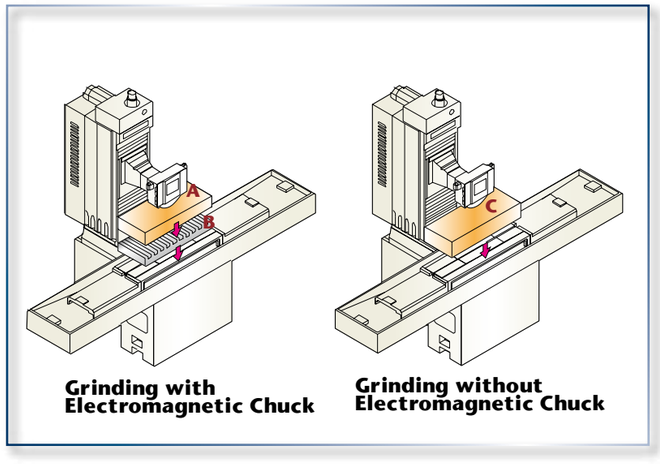
Various punch shapes can be creepfeed ground to enhance efficiency.

※FANUC 18iMB Contral is an Option.

FANUC 0iMC CONTRAL	
1. Controlled axes	X,Y,Z
2. Simultaneous controllable axes	3 axes
3. Least command increment	0.0001inch(0.001mm)
4. Automatic acceleration/deceleration	
5. Feedrate override	0-150% (10%per band)
6. Manual continuous feed	
7. Spindle feedrate override	50%-120% (10%per band)
8. Rapid positioning	
9. Linear interploation	
10. Circular interpolation	
11. Manual reference point return	
12. 2nd reference point return	
13. 8.4" LCD color	High-resolution monochrome
14. M.P.G.(Hand-wheel)	1 unit
15. RS-232Cinterface	
16. Dwell	
17. Machine lock	
18. Skip function	
19. Battery alarm	
20.Servo off	
21. MDI operation	
22.Dry run	
23.Single block operation	

FANUC 0iMC CONTRAL	
24.Program protection	
25.Self-diagnosis function	
26.Emergency stop	
27.Status display	
28.X,Y,Z,B axes servo motor	
29.Programmable control	FANUC PMC-SA1
30.NC automatic coodinate system setting	
31. Inch/metric conversion	
32.EIA/ISO automatic recognition	
33. Custom macro	
34.Part program storage length	640m
35.Registered programs	400 pieces
36.Program display protection	
37.Spindle load current indicator	
38.Mechanical lubrication alarm	
39.Pitch errior compensation	
40.Backlash compensation	
41. Wheel automatic dressing and compensation	
42.PMC-L ladder display	
43.Magnetic chuck voltage meter	
44.Instruction display	
45.Run hour display	
46.PMC-L ladder search	
4 7.G codes menu display	

PERMISSIBLE LOADS OF MACHINE



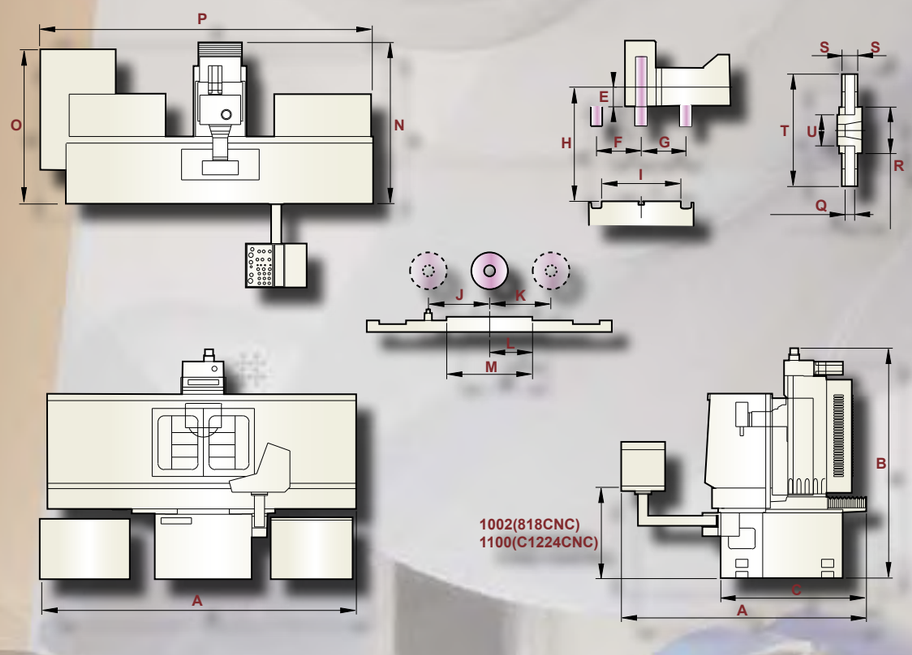
The total suggested maximum loads of working table are shown as follows

A = Workpiece B = Magnetic chuck C = A + B

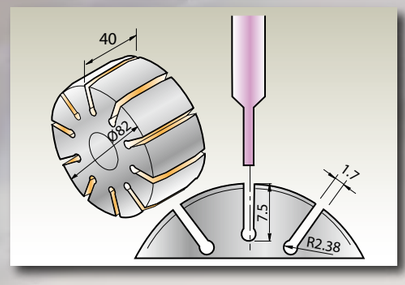
MODEL	FSG-H818CNC	FSG-B818CNC	FSG-C1224CNC
A lbs(kg)	363(165)	363(165)	690(314)
B lbs(kg)	77(35)	77(35)	233(106)
C lbs(kg)	440(200)	440(200)	924(420)

FSG-H/B818/C1224CNC

HIGH EFFICIENCY PRECISION CNC PROFILE GRINDER

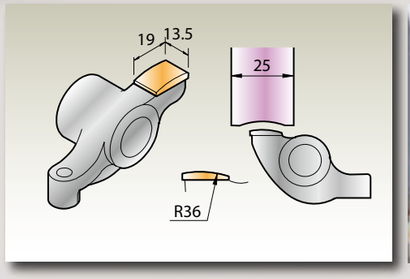


MODEL	FSG-H818CNC	FSG-B818CNC	FSG-C1224CNC
A	118"(3000mm)	118"(3000mm)	157 1/2"(4000mm)
B	90"(2290mm)	90"(2290mm)	104 3/4"(2660mm)
C	67"(1700mm)	67"(1700mm)	79 1/2"(2020mm)
D	110 1/4"(2800mm)	110 1/4"(2800mm)	120 5/8"(3065mm)
E	2 9/16"(65mm)	2 9/16"(65mm)	3 3/8"(86mm)
F	5 1/2"(140mm)	5 1/2"(140mm)	8"(203mm)
G	5 1/2"(140mm)	5 1/2"(140mm)	8"(203mm)
H	19"(480mm)	19"(480mm)	24"(610mm)
I	8"(203mm).	8"(203mm)	12"(305mm)
J	14"(355mm)	14"(355mm)	16"(406mm)
K	11 5/8"(295mm)	11 5/8"(295mm)	16"(406mm)
L	9"(228.5mm)	9"(228.5mm)	12"(305mm)
M	18"(457mm)	18"(457mm)	24"(610mm)
N	82 5/8"(2100mm)	82 5/8"(2100mm)	88 3/4"(2255mm)
O	90 1/2"(2300mm)	90 1/2"(2300mm)	90 1/2"(2300mm)
P	141 3/4"(3600mm)	131"(3325mm)	141 3/4"(3600mm)
Q	0.8"~2"(20~50mm)	0.8"~2"(20~50mm)	0.8"~4"(20~100mm)
R	4.88"(124mm)	4.88"(124mm)	5"(127mm)
S	2"(50mm)	2"(50mm)	4"(101.6mm)
T	12"(305mm)	12"(305mm)	14"(355.6mm)
U	3"(76.2mm)	3"(76.2mm)	3.03"(77mm)



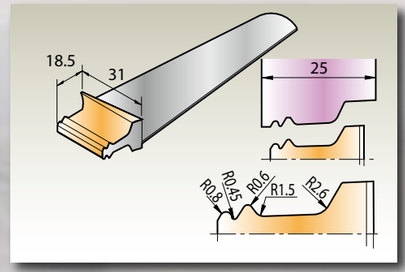
PUMP ROTOR (Various Industry)

MODEL:	B818CNC
Opt. Acce.	B45-0802
Material	SUJ-2
Kind of Wheel	CBN 200-100B
Form Accuracy	±0.0002"(±0.004mm)
Cycle time	3 min
Grinding Mode	Indexing Grinding



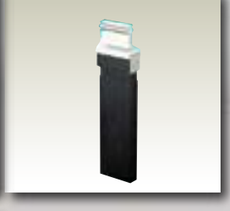
ROCKER ARM (Automoble Industry)

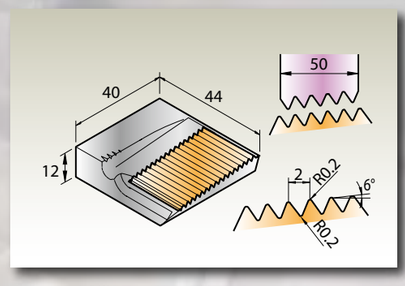
MODEL:	B818CNC
Opt. Acce.	B13-0804
Material	SCM-21
Kind of Wheel	5SG120-IVS
Form Accuracy	±0.0002"(±0.006mm)
Cycle time	15sec
Grinding Mode	Plunge Grinding



TURBINE BLADE (Aircraft & Aerospace Industry)

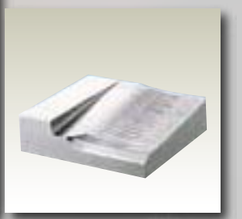
MODEL:	B818CNC
Opt. Acce.	B13-0810
Material	INCO-NI
Kind of Wheel	32A804G13V
Form Accuracy	±0.0003"(±0.008mm)
Cycle time	86sec
Grinding Mode	Form Grinding

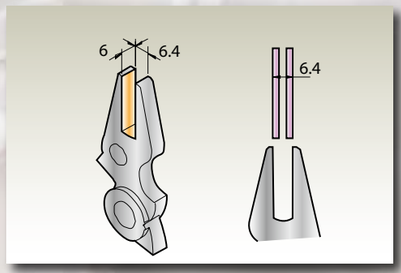




THREAD ROLLING DIE (Coustruction Industry)

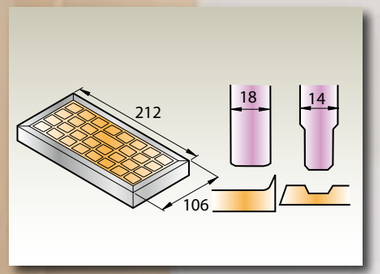
MODEL:	B818CNC
Opt. Acce.	B13-0801
Material	SHK-51
Kind of Wheel	GC180-F12V
Form Accuracy	±0.0004"(±0.01mm)
Cycle time	5min 20sec
Grinding Mode	Greep Feed Grinding





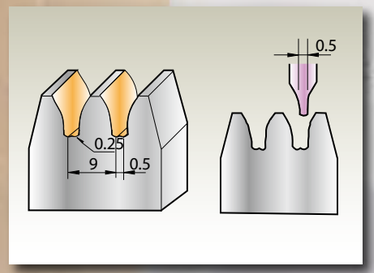
TEXTILE MACHINE LINKAGE (Textile Industry)

MODEL:	H818CNC
Opt. Acce.	B13-0810
Material	SCM4
Kind of Wheel	CB120-WBA-100
Form Accuracy	±0.0004"(±0.01mm)
Cycle time	55sec
Grinding Mode	Plunge Grinding



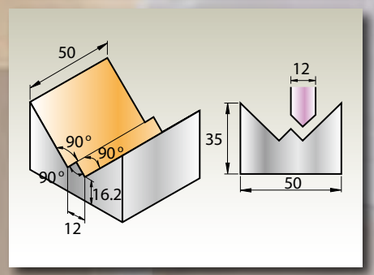
TILE'S MOLD (Construction Industry)

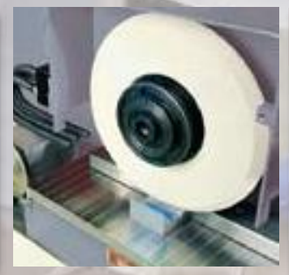
MODEL:	B818CNC
Opt. Acce.	B13-0810
Material	SKD11
Kind of Wheel	CB150-WBA-100
Form Accuracy	±0.0005"(±0.012mm)
Cycle time	58min
Grinding Mode	Form Grinding



TERMINAL PRESS MOLD (Electrical Industry)

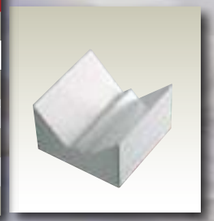
MODEL:	B818CNC
Opt. Acce.	B13-0811
Material	SKD11
Kind of Wheel	GC320H5VGW1A
Form Accuracy	±0.0003"(±0.008mm)
Cycle time	80sec
Grinding Mode	Form Grinding

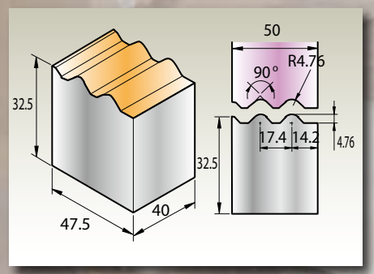




TERMINAL PRESS MOLD (Electrical Industry)

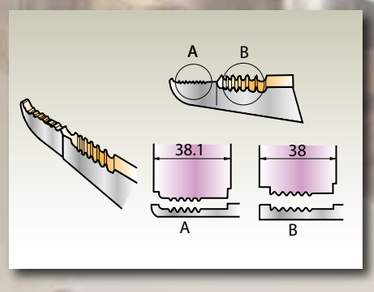
MODEL:	B818CNC
Opt. Acce.	B13-0804
Material	S45C
Kind of Wheel	NORITAKE RA60153V
Form Accuracy	±0.0004"(±0.01mm)
Cycle time	15sec
Grinding Mode	Form Grinding





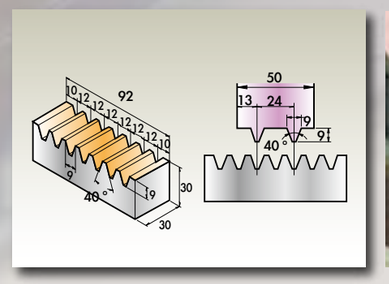
PRESS MOLD (Mold Industry)

MODEL:	B818CNC
Opt. Acce.	B13-0811
Material	S15C
Kind of Wheel	32A46-I14V
Form Accuracy	±0.0008"(±0.02mm)
Cycle time	50sec
Grinding Mode	Plunge Grinding



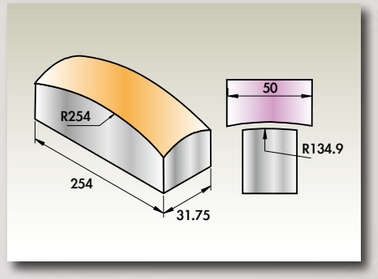
WIRE PILLING PLIER (Metal Working Industry)

MODEL:	B818CNC
Opt. Acce.	B13-0804/1201
Material	SK2 H.R.C.50°~60°
Kind of Wheel	38A120D25V
Form Accuracy	±0.0004"(±0.01mm)
Cycle time	15sec
Grinding Mode	Form Grinding



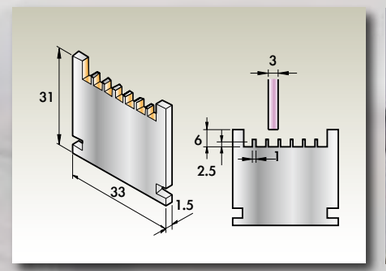
RACK (Mechanical Industry)

MODEL:	H818CNC
Opt. Acce.	B13-0801
Material	SKH9
Kind of Wheel	RA46-H14V
Form Accuracy	±0.0002"(±0.06mm)
Cycle time	4min
Grinding Mode	Pitch Grinding



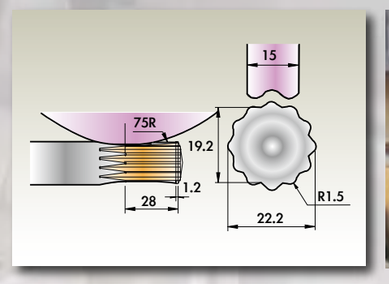
TANK PARTS (Defense Industry)

MODEL:	B818CNC
Opt. Acce.	B13-0811
Material	S45C
Kind of Wheel	38A120D25VCF2
Form Accuracy	±0.0004"(±0.009mm)
Cycle time	6min
Grinding Mode	Creepfeed Grinding



IC PUNCHING MOULD (Electrical Industry)

MODEL:	B818CNC
Opt. Acce.	B13-0801
Material	S45C
Kind of Wheel	WA180J5V
Form Accuracy	±0.0002"(±0.004mm)
Cycle time	2min
Grinding Mode	Creepfeed Grinding

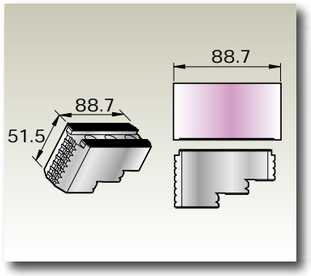


R-ANGLE PUNCHING MOULD(Metal Working Industry)

MODEL:	B818CNC
Opt. Acce.	B13-0810
Material	SKH55
Kind of Wheel	38A100-E19V
Form Accuracy	±0.0003"(±0.008mm)
Cycle time	15min
Grinding Mode	Form Grinding

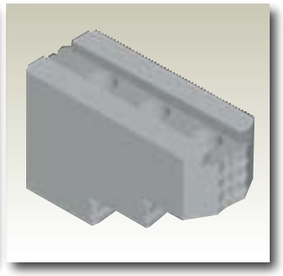
FSG-H/B818/C1224CNC

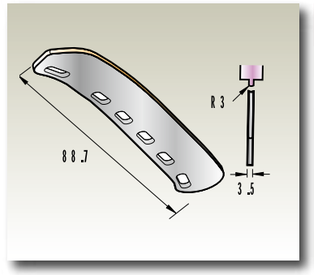
HIGH EFFICIENCY PRECISION CNC PROFILE GRINDER



LATHE CHUCK PART

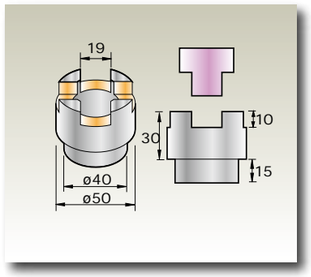
MODEL:	C1224CNC
Opt. Acce.	B17-1203/B42-0801
Material	SCM21
Kind of Wheel	ELBE(81A1204LV26)
Form Accuracy	±0.0007"(±0.02mm)
Cycle time	3.5min
Grinding Mode	Form Grinding





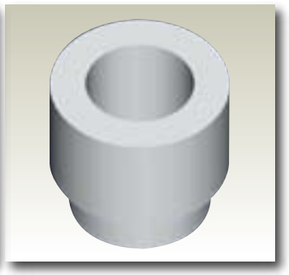
BLADES OF ICE SKATES

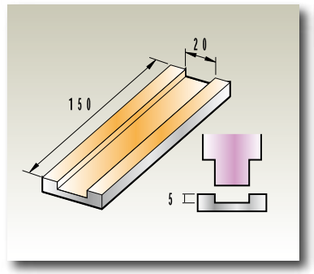
MODEL:	C1224CNC
Opt. Acce.	B17-1202
Material	SK5M
Kind of Wheel	CBN
Form Accuracy	±0.0008"(±0.02mm)
Cycle time	5sec
Grinding Mode	Profile Grinding



MOTOR JOINT

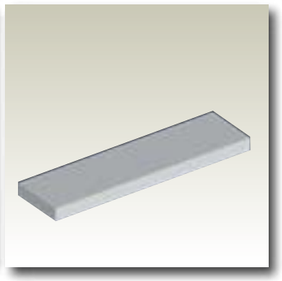
MODEL:	C1224CNC
Opt. Acce.	B17-1203/B42-0801
Material	SKD11
Kind of Wheel	CBN
Form Accuracy	±0.0007"(±0.02mm)
Cycle time	30sec
Grinding Mode	Slot Grinding

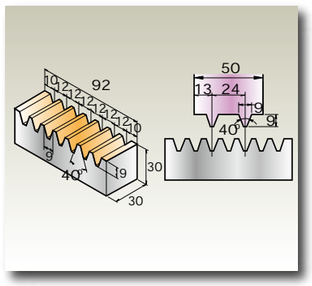




MECHANIC PARTS WITH SLOT

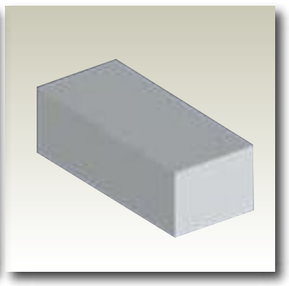
MODEL:	C1224CNC
Opt. Acce.	B17-0802/B42-0801
Material	SKD11
Kind of Wheel	CBN
Form Accuracy	±0.0002"(±0.005mm)
Cycle time	60sec
Grinding Mode	Slot Grinding

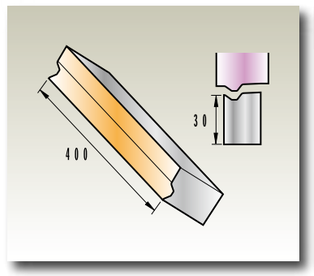




RACK PART

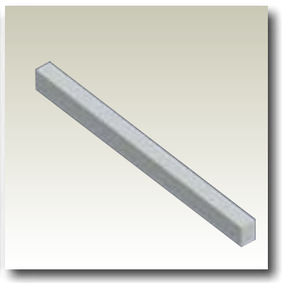
MODEL:	C1224CNC
Opt. Acce.	B17-1203/B42-0801
Material	SKD11
Kind of Wheel	ELBE(81A46-3k12V26)
Form Accuracy	±0.0002"(±0.006mm)
Cycle time	51 sec
Grinding Mode	Form Grinding (one tooth)

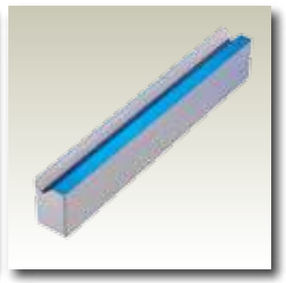


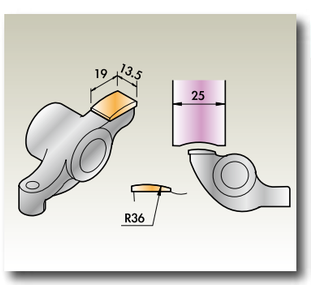


TEXTILE PART

MODEL:	C1224CNC
Opt. Acce.	B17-1203/B42-0801
Material	SKD11
Kind of Wheel	ELBE(83A80-4L5V26)
Form Accuracy	±0.0002"(±0.007mm)
Cycle time	68sec
Grinding Mode	Form Grinding

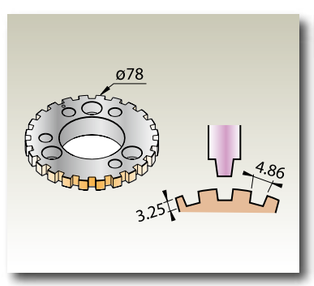






RACKER ARM

MODEL:	C1224CNC
Opt. Acce.	B17-1203/B42-0801
Material	S55C
Kind of Wheel	ELBE(81A46-3k12V26)
Form Accuracy	±0.0002"(±0.006mm)
Cycle time	10 sec
Grinding Mode	Form Grinding



RACK PART

MODEL:	C1224CNC
Opt. Acce.	B17-1203/B42-0801
Material	SKS3
Kind of Wheel	ELBE(81A46-3K12V26)
Form Accuracy	±10"
Cycle time	4min36sec
Grinding Mode	Form Grinding

FSG-H/B818/C1224CNC

Note: Items marked with "• "are recommended to be factory installed

WHEEL FLANGE
B05-0803
Suitable for ø12"xø3 "xø1 1/4" (ø305xø76.2xø31.75mm) grinding wheel Clamping width: 7/8"~1 1/4" (22~32mm)
B05-1201(C1224CNC)
Suitable for ø14"xø5 "xø4" (ø355.6xø127xø102mm)

ELECTROMAGNETIC CHUCK (With standard pole pitch)
B09-06072
7 7/8"x17 3/4" (200x450mm)
B09-04011(C1224CNC)
11 3/4"x23 5/8"(300x600mm)
(Voltage:110VDC)
※To order B23-0701 chuck control is required.

INCLINABLE LECTROMAGNETIC CHUCK(With standard pole pitch)
B09-09011 (B818CNC)
7 7/8"x17 3/4"(200x450mm)
※To order B23-0701 chuck control is required.

B13-1203
Motor:1/4HP,1750rpm(60HZ)/ 1450rpm(50HZ)
Wheel Dia:3 1/2"-5 1/2"(90-140mm)
Clamping width:Max.4"(200mm)

PRECISION VISE
B11-0101
2"X3"(50X76mm)
B11-0102
2 1/2"X4"(63X100mm)
B11-0103
3"X4"(76X100mm)
B11-0104
3 1/2"X5"(89X127mm)
B11-0105
4"X5"(100X127mm)

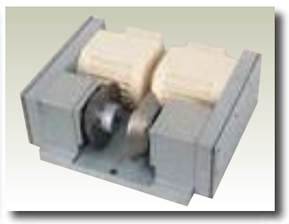
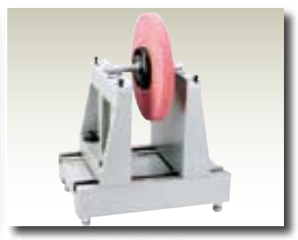


TABLE-MOUNTED DOUBLE DIAMOND DISC. DRESSER(Diamond disc is not included)
B13-0811
Motor:1/4HP,1750rpm (60HZ)/1450rpm(50HZ)
Wheel Dia:3 1/2"-5 1/2"(90-140mm)
Clamping width:Max.1 3/16"(30mm)

TABLE-MOUNTED SINGLE DIAMOND DISC. DRESSER(Diamond disc is not included)
B13-0810
Motor:1/4HP,1750rpm(60HZ)/ 1450rpm(50HZ)
Wheel Dia:3 1/2"-5 1/2"(90-140mm)
Clamping width:Max.2 1/8"(50mm)

BALANCING STAND (ROLLER TYPE)
B15-0601
Suitable for8"-14"(203-355mm) wheel

ROLLER BALANCING STAND
B15-0702(C1224CNC)
Max. Wheel Dia.: 20"(508mm)



BALANCING STAND
B15-0703(C1224CNC)
Max. Wheel Dia.: 16"(406mm)

HYDRAULIC TEMPERATURE REGULATOR FOR SPINDLE AND DISC DRESSER
B42-0801
Cooling capacity: 700 kcal/hr

TOWER TYPE OF COOLANT SYSTEM
B17-1201(C1224CNC)
Volume:1250L
High pressure pump:4.5kg/cm
Coolant Capacity: 66L/min

AUTO RETRACTING TABLE MOUNT DRESSER
• B13-0801
(To order B43-0801 low noise air compressor is required)

GRINDING WHEEL DYNAMIC BALANCING SYSTEM
• B44-0803(818CNC)
• B44-1203(C1224CNC)

CNC CONTROLLED HORIZONTAL INDEXER
(This indexer,driven by AC servo motor and cooperated with CNC controller.)
• B45-0818
Resolution:0.001°/STEP
Max.rpm:33.3rpm
The tolerance of positioning is within:0°0'20"

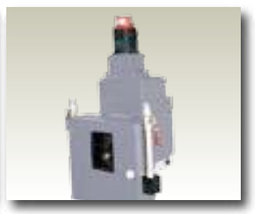
FIXED ANGLE VERTICAL INDEXER
• B45-0803(818CNC)
Resolution:0.133°/STEP
Max.rpm:33.3rpm
The tolerance of positioning is within:0°0'5"
Pressure:5kg/cm²

AUTOMATIC DOOR SYSTEM FOR SPLASH GUARD
• B19-0802(818CNC)
• B19-1201(C1224CNC)
(To order B43-0801 low noise air compressor is required)

CHUCK CONTROLLER
B23-0410(818CNC)
B23-0703(C1224CNC)
Input Voltage: 140VAC
Output Voltage: 110VDC
※With variable holding power, auto demagnetization.

COOLANT SYSTEM WITH AUTO PAPER FEEDING DEVICE&MAGNETIC SEPARATOR (With 1 Roll of Paper)
B17-0802(818CNC)
Volume: 250L Pump: 1/4HPX2
Coolant Capacity: 80L/min
Space: 63"x43" (1600x1100mm)
Height: 29 1/2"(750mm)
B17-0806(818CNC)
Medium pressure pump:2.3kg/cm²
Coolant Capacity: 66L/min
B17-0807(818CNC)
Hihh pressure pump:4.5kg/cm²
Coolant Capacity:66L/min
B17-0808(818CNC)
Extra high pressure pump:5.5kg/cm²
Coolant Capacity: 70L/min
B17-1203(C1224CNC)
Volume:500L
High pressure pump:4.5kg/cm²
Coolant Capacity: 66L/min

COOLANT SYSTEM WITH AUTO PAPER FEEDING DEVICE(With 1 Roll of Paper)
B17-0801(818CNC)
Volume: 250L
Pump: 1/4HPX2
Coolant Capacity: 80L/min
Space: 63" x43" (1600x11000mm)
Height: 29 1/2" (750mm)
B17-0803(818CNC)
Medium pressure pump:2.3kg/cm²
Coolant Capacity: 66L/min
B17-0804(818CNC)
Hihh pressure pump:4.5kg/cm²
Coolant Capacity:66L/min
B17-0805(818CNC)
Extra high pressure pump:5.5kg/cm²
Coolant Capacity: 70L/min
B17-1202(C1224CNC)
Volume:500L
High pressure pump:4.5kg/cm²
Coolant Capacity: 66L/min



WHEELHEAD MOUNTED AUTOMATIC ROTARY DIAMOND DRESSER WITH AUTO WHEEL DRESSING COMPENSATION(Diamond roller is not included)
•B13-0818Motor:1/ 4HP,1750rpm(60HZ)/ 1450rpm(50HZ)
Roller Dia:3 1/8"-3 7/8"(80-100mm)
Clamping width:Max.2 1/8"(55mm)
•B13-1201(DIA-3)(C1224CNC)
Motor:2HP,1750rpm(60HZ)/ 1450rpm(50HZ)
Roller Dia:Max.140mm
Spindle feedrate:930rpm(60Hz) 775rpm(50Hz)

LOW NOISE AIR COMPRESSOR
B43-0801
Ouput:1HPX2PCS
Max. Pressure:8 kg/cm²
Displacement:54L/min
Space:20"X20"(500X500mm)
Height:34"(860mm)
B43-1201
Ouput:5HP
Max. Pressure:8 kg/cm²
Space:33 2/3"X23 4/5"(855X605mm)
Height:38"(965mm)