SPECIFICATIONS

DESCRIPTION \ MODEL		NC 500	NC 600	NC 700	NC 800	NC 1000
TABLE SIZE		245X508mm	300X600mm	305X712mm	406X813mm	406X1020mm
LONGITUDINAL MOVEMENT SPEED		0.5~25M/min				
CROSS TRANSVERSE TRAVEL	MIN. SETTING UNIT	0.001mm				
	MPG	Per graduation: 0.001mmX1, 0.001mmX10, 0.001mmX100				
	RAPID SPEED	10000mm/min				
WHEELHEAD VERTICAL INFEED	MIN. SETTING UNIT	0.0001mm				
	MPG	Per graduation: 0.001mmX1, 0.001mmX10, 0.001mmX100				
	RAPID SPEED	750mm/min				
SPINDLE DRIVE	POWER RATING	2.2KW(3HP)	3.7KW(5HP)	Standard 3.7KW(5HP) Optional 5.55KW(7 1/2HP)., 7.4KW(10HP)		
	SPEED	50HZ2850R.P.M. 60HZ3450R.P.M.	50HZ 1450 R.P.M. 60HZ 1750 R.P.M.			
STANDARD GRINDING WHEEL	DIAMETER	ø203mm	ø304mm	ø355mm		
	WIDTH	Standard19mm Max. 25mm	32mm	50mm		
	BORE	ø31.75mm	ø76.2mm	ø127mm		
HYDRAULIC MOTOR		2.0HP		3.0HP		
FLOOR SPACE		2400X1650X1850mm	2700X1800X1950mm	2950X2150X2150mm	3290X2400X2150mm	4020X2400X2150mm

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

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NC PRECISION PROFILE GRINDERS

GENERAL FEATURES

NC 600

SHOWN WITH OPTIONAL FULL GUARDED SPLASH GUARD, WORK LAMP AND COOLANT SYSTEM W/AUTO PAPER FEEDING DEVICE & MAGNETIC SEPARATOR

GENERAL FEATURES OF NC SERIES :

1.STRUCTURE:
- REMOTE MANUAL PULSE GENERATOR FOR VERTICAL & CROSSFEED
- C3 CLASS VERTICAL & CROSSFEED BALLSCREWS
- SPINDLE FREQUENCY INVERTER
- VERTICAL & CROSSFEED SERVO MOTORS CONTROL SYSTEM, MAN-MANCHINE INTERFACE WITH 10.4" COLOR TFT DISPLAY, PLC WITH NC MODE CONTROL
- LONGITUDINAL MOVEMENT SERVO HYDRAULIC CONTROL SYSTEM
- UNIQUE LONGITUDINAL HYDRAULIC CIRCUITRY SYSTEM CONTROLS SLOW MOVEMENT FROM EITHER DIRECTION（SUITABLE FOR BIG DOWNFEED WITH SLOW TABLE MOVEMENT）

2.CONTROL SYSTEM:
- TOP QUALITY INDUSTRIAL CLASS PLC CONTROL SYSTEM WITH NC PROGRAM MODE

3.SOFTWARE SYSTEM:
- MAN-MACHINE CONVERSATIONAL DIAGRAM DATA INPUT WORKING SYSTEM
- EASY TO LEARN AND OPERATE
- LEARN IT IN 4 HOURS, GRINDING SET IN 10 MINUTES FOR NEW WORKPIECE

4.STANDARD FUNCTIONS:
- SURFACE GRINDING (CROSS STEP FEED, CONSTANT FEED AND 3 STEPS DOWNFEED)
- PLUNGE GRINDING (2 STEPS DOWNFEED)
- GROOVE BOTTOM SURFACE GRINDING (CROSS STEP FEED & CONSTANT FEED, 2 STEPS DOWNFEED)
- MULTI-PLUNGE GRINDING SYSTEM SUITABLE FOR UNEQUAL DISTANCE & UNEQUAL DEPTH, CONCAVE, CONVEX AND TRAPEZOIDAL PLUNGE GRINDING (ONLY BY CBN FORMING WHEEL, FORMING DEVICE, OR ON-TABLE WHEEL DRESSING ATTACHMENT)

5.DURING GRINDING:
- THE INFEED AMOUNT IS ADJUSTABLE ANY TIME
- THE GRINDING WHEEL COULD BE MADE TO RISE UP
- CAN BE STOPPED AND RESTARTED (FOR WORKPIECE CHECKING)
- CAN WHEEL DRESS OR MAKE DRESSING SETTING CHANGE

6.OPTIONAL ACCESSORIES:
- OVERHEAD WHEEL AUTO DRESSING & AUTO COMPENSATION SYSTEM
- ON-TABLE WHEEL AUTO DRESSING & AUTO COMPENSATION SYSTEM
- FOURTH AXIS SCALE PLATE AND SPECIAL WORKPIECE CLAMPING

NC 800

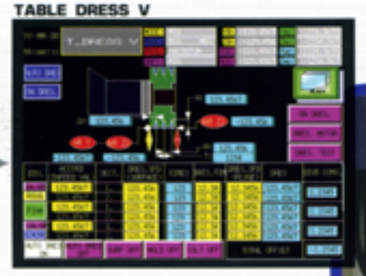
SHOWN WITH OPTIONAL FULL GUARDED SPLASH GUARD, WORK LAMP AND COOLANT SYSTEM W/MANUAL PAPER FEEDING DEVICE

OPERATION INTERFACE

UP DRESS A

OPTIONAL OVERHEAD WHEEL DRESSER

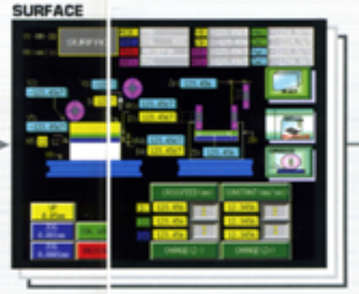
TABLE DRESS V



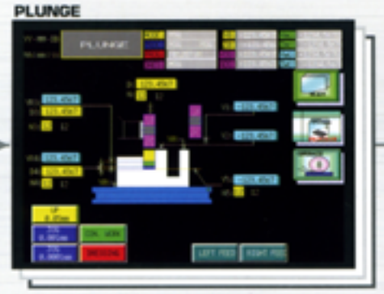
OPTIONAL TABLE DRESSER

MAIN

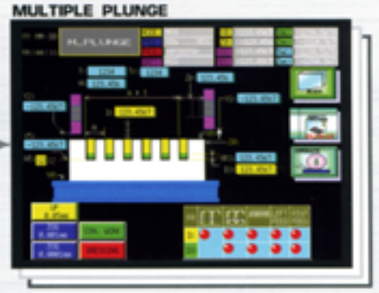
SURFACE



PLUNGE



MULTIPLE PLUNGE



PROGRAM

AUXILIARY

MULTIPLE GRINDING

TO BE CONTINUE

OPERATE

PASSWORD

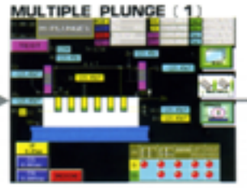
INPUT CHECK

OUTPUT CHECK

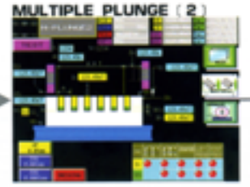
HELP

PROC: 12

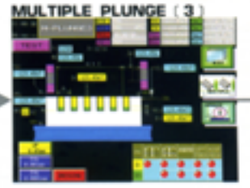
MULTIPLE PLUNGE (1)



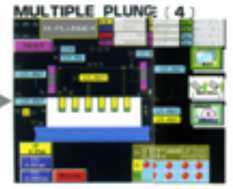
MULTIPLE PLUNGE (2)



MULTIPLE PLUNGE (3)



MULTIPLE PLUNGE (4)



UP DRESSER FOR MULTIPLE PLUNGE GRINDING

TABLE DRESSER FOR MULTIPLE PLUNGE GRINDING

PROC: 12

PLUNGE (1)

PLUNGE (2)

PLUNGE (3)

PLUNGR (4)

PLUNGR (5)

PLUNGR (6)

UP DRESSER FOR PLUNGE GRINDING

TABLE DRESSER FOR PLUNGE GRINDING

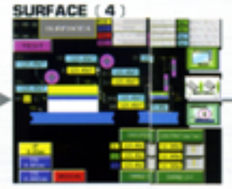
PROC: 12

SURFACE (1)

SURFACE (2)

SURFACE (3)

SURFACE (4)



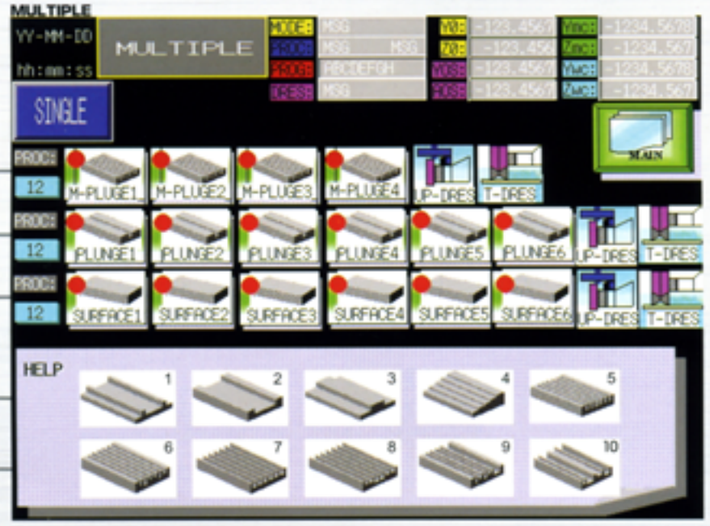
SURFACE (5)

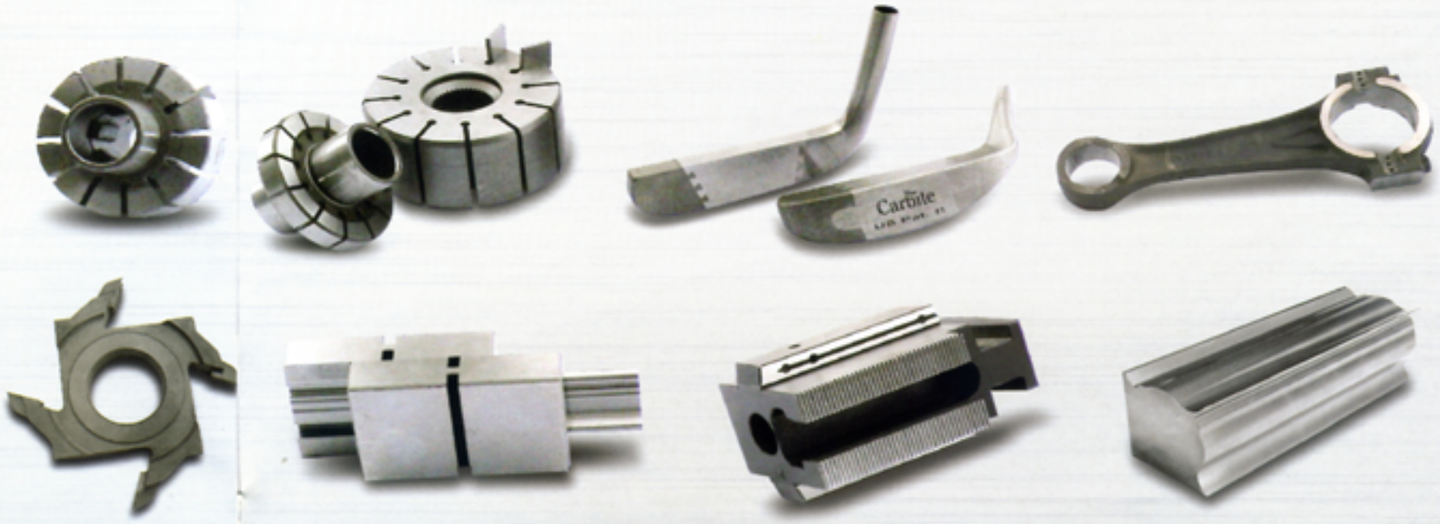
SURFACE (6)

UP DRESSER FOR SURFACE GRINDING

TABLE DRESSER FOR SURFACE GRINDING

MULTIPLE





MULTIPLE-TYPE GRINDING (1)

MULTIPLE-TYPE GRINDING (2)

MULTIPLE-TYPE GRINDING (3)

MULTIPLE-TYPE GRINDING (4)

MULTIPLE-TYPE GRINDING (5)

MULTIPLE-TYPE GRINDING (6)

MULTIPLE-TYPE GRINDING (7)

MULTIPLE-TYPE GRINDING (8)

MULTIPLE-TYPE GRINDING (9)

MULTIPLE-TYPE GRINDING (10)