

Okamoto

ACC818NC

FORM GRINDER



*The CNC Form Grinder
you can't afford
not to have in your shop!*

ACC 9 18NC

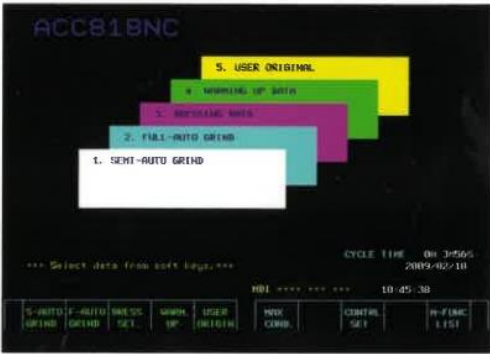
*Rigid. Flexible. Powerful.
Affordable!*



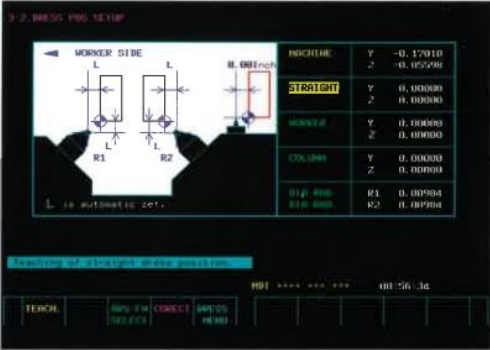
Vertical Feed Manual Pulse Generator
Precise vertical positioning of
0.001 - 0.01mm per manual pulse feed.



The **ACC818NC** form grinder has the performance features of a fully CNC surface grinder at a competitive price. Superb construction boasts heavily ribbed Meehanite cast iron throughout and a full contact double-vee slideways for unrivalled long term peak precision. A 3-point diamond dresser includes 2 angled diamonds for form dressing and a vertical diamond for straight dressing. A powerful 2 axis simultaneous control CNC expands flexibility. It is ideal for surface, slot, step, form and contour grinding operations. User friendly “touch and teach” conversational programming simplifies set-up and operation for operators unfamiliar with CNC. An RS232C port and PC card slot are standard. It all adds up to an optimum grinding experience of flexibility and ease of production.



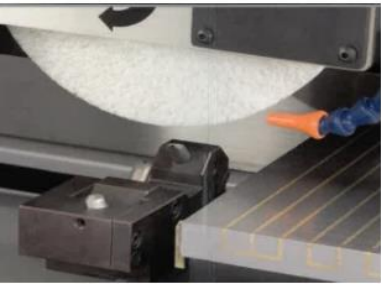
Main Data Screen



Wheel Dress Set-up Screen



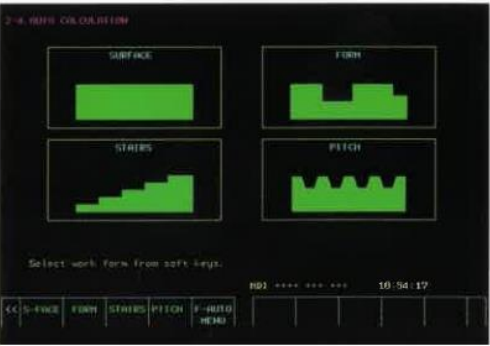
Dress Form Input Screen



3-Point Dresser



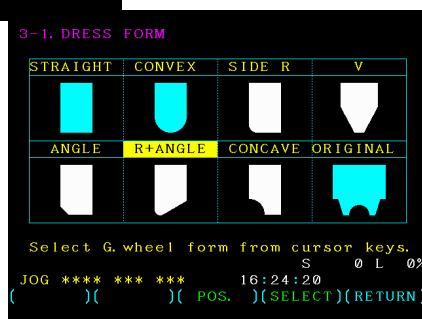
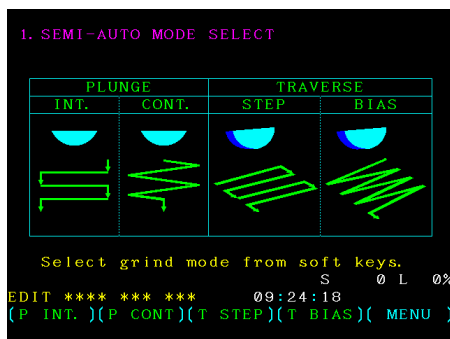
Cross Feed MPG
Precise cross feed positioning in increments of 0.0001mm



Grinding Pattern Screen

ACC-818NC Specifications

	Item	Unit	
Capacity	Table Area (ground)	mm	500 x 200
	Table Movements (longitudinal/cross)	mm	530 x 230
	Max. grinding height between table and new wheel (Ø 205)	mm	302.5
	Standard magnetic chuck	mm	400 x 200
	Table load capacity approx.	kg	120 (incl. Chuck)
Table	T Slots	(No. x W)	1x17
	Max Table feed, hydraulic, continuously adjustable, m/min	m/min	1 ~ 20
Cross Feed	Intermittent feed	mm	0.4 – 8
	Continuous feed	mm/min	0 – 2000
	Electronic hand wheel graduations	µm	0.1 / 1 / 10
Down Feed	Automatic Down Feed	mm	0.0001 – 0.0300
	Electronic hand wheel graduations	µm	0.1 / 1 / 50
	Rapid Positioning	mm/min	2000
Grinding wheel	Grinding Wheel - OD x width x bore	mm	205 x 25 x 31.75
	Rotational speed	rpm	1000 - 3000
Motors	Grinding spindle	kW	2.2
	Hydraulic Pump	kW	0.75
	Vertical Feed (AC Servomotor)	kW	0.5
	Cross feed	kW	0.5
	Operating voltage/frequency	V/Hz	400/50
Power Supply	Connected load, approx.	kVA	15
	Length x Depth x Height, approx.	cm	227 x 278 x 209
Floor Space	Net weight without accessories, approx.	kg	2100
Weight			



Standard Accessories

- Grinding wheel (Ø205x13x31.75mm)
- Grinding wheel adaptor for wheels
- Wheel guard and coolant nozzle
- 2 point table dresser
- Levelling screws and plates
- Necessary Tools
- Work light

Optional Equipment

- Coolant System
- Grinding wheel balancer
- Magnetic chuck
- Spare wheel adaptor

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