

Our locations

- Locations
 - ▲ Servicepoints
 - Dealer
 - Dealer DE
- 1 FHL-Werkzeugmaschinenvertrieb Apolda
 - 2 M.Peters Werkzeugmaschinen Waldshut-Tiengen
 - 3 J+K Jugard + Künstner München
 - 4 Prematech e.K. Obermichelbach
 - 5 Bernd Goll Industrievertretungen Knittlingen
 - 6 PeHa Werkzeugmaschinen Weissenhorn
 - 7 Hermann Wirth Industrietechnik Karben
 - 8 Sudler Werkzeugmaschinen Langgöns
 - 9 Niemeyer Werkzeugmaschinen Berlin



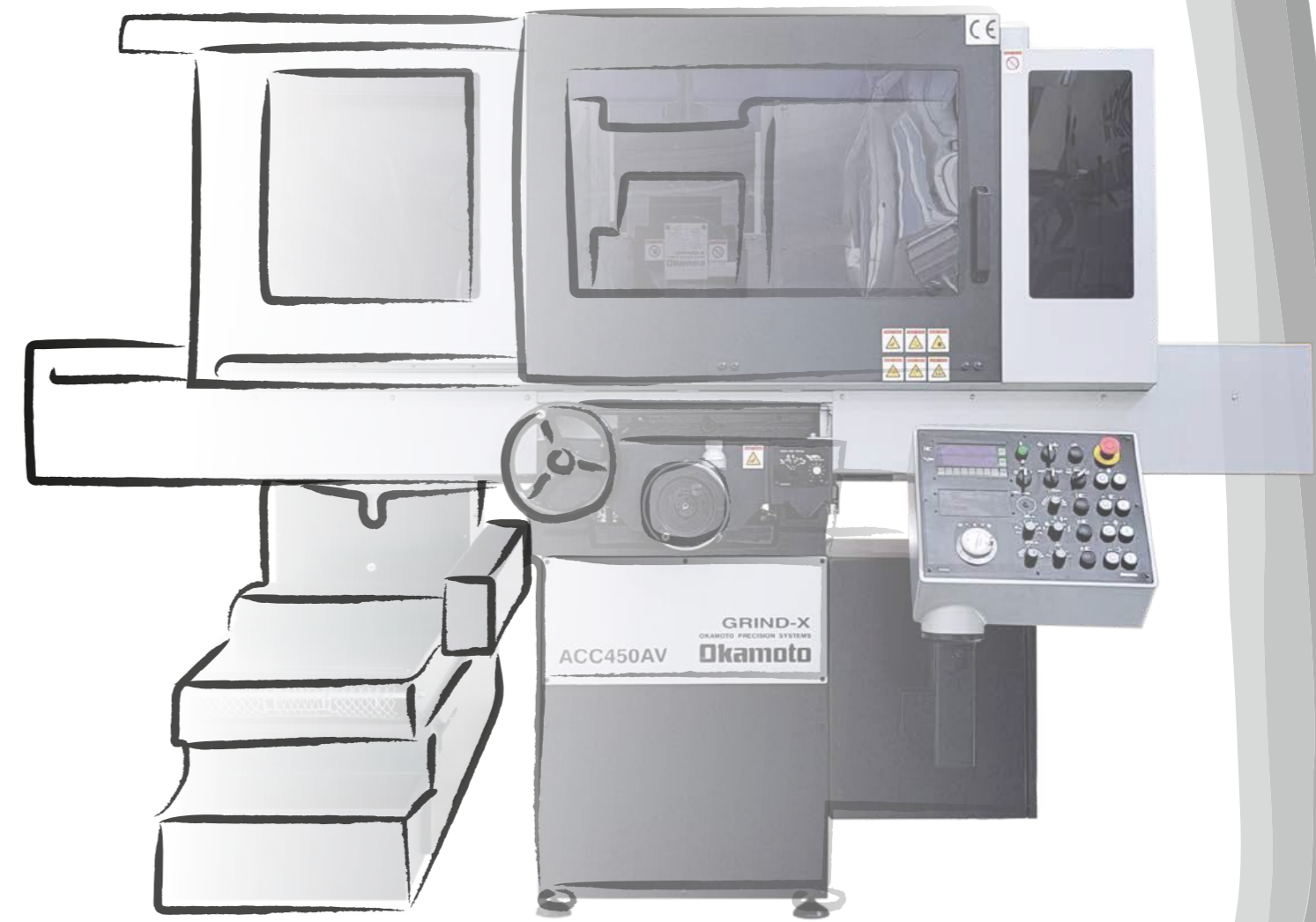
Okamoto
GRIND - X

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All data contained herein is based on the technical status of the machines at the time of printing. We reserve the right to change any detail via further development. As a result, dimensions, weights, colours, etc. of the delivered machines may vary.
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Precision Form Grinding Machine

ACC-450AV



GRIND - X
OKAMOTO PRECISION SYSTEMS
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GRINDING SOLUTIONS

Precision Form Grinding Machine

ACC-450AV

Precision surface and profile grinding machine

To avoid effects of heat expansion and vibration, the hydraulic unit is isolated from the main unit. For the purpose of long lifetime and maintenance free operation, oil lubrication with automatic lubrication is applied to the guide and slide way. A combination of both scraped V-V slide ways and low friction Turcite ensures accurate grinding for life. All castings exhibit high static and dynamic stiffness and excellent damping qualities.

- Surface and profile grinding machine
- Available with fully enclosed cover (open top) or traditional type open cover.



ADDITIONAL EQUIPMENT

- Dust Suction System
- Coolant System
- Grinding wheel balancer
- Magnetic chuck
- Overhead Dresser – Manual
- Digital Readout for Crossfeed
- Spare wheel adaptor

Upgrading dependet on individual requirement



MICRO FEEDER FOR CROSS FEED

Included in standard equipment, this allows fast and simple change from 0.02mm graduation to 0.001mm graduation via micro-feeder



CROSS FEED DIGITAL READOUT

Optional equipment includes cross feed digital readout for precision manual adjustment of the cross feed.



Overhead Manual Dresser

Simple yet effective straight line dressing option for vitrified grinding wheels



Variable Speed Wheel

Optional variable speed control of the grinding wheel to match material and surface finish requirements. Optimal speeds achievable with CBN grinding wheels



Paper Filter/- Coolant Units

A wide selection of coolant filter systems available including



Variable Holding Power De-magnetising Magnetic Chucks

A wide selection of magnetic chucks available including electro-permanent chucks that prevent heat build up during the grinding process

	Item	Unit	
Capacity	Table Area (ground)	mm	450 x 150
	Table Movements (longitudinal/cross)	mm	530x165
	Max. grinding height between table and new wheel (Ø 205)	mm	357.5
	Standard magnetic chuck	mm	450 x 150
	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. ~ 18
	Feed / Rev of longitudinal handwheel	mm	100
Cross Feed	Feed / Rev of cross handwheel	mm	5
	Feed / Division of dial	mm	0.02
	Intermittent feed	mm	0.1 – 5
	Continuous feed	m/min	0.16 – 0.4
Down Feed	Automatic Down Feed	mm	0.0001 – 0.030
	Manual Micro Feed	mm	0.0001 / 0.001 / 0.01
	Down Feed Handwheel Rev	mm	0.01 / 0.1 / 1
	Sparking Passes		0 – 5
Grinding wheel	Rapid Positioning	mm	600
	Grinding Wheel - OD x width x bore	mm	205 x 6-25 x 31.75
	Rotational speed	rpm	3000
Motors	Grinding spindle	kW	1.5
	Hydraulic Pump	kW	0.75
	Vertical Feed (AC Servomotor)	kW	0.4
	Cross feed	kW	0.75
Power Supply	Operating voltage/frequency	v/Hz	400/50
	Connected load, approx.	kVA	5
Floor Space	Length x Depth x Height, approx.	cm	200 x 166 x 227
Weight	Net weight without accessories, approx.	kg	1100

Specifications



ACC 450AV