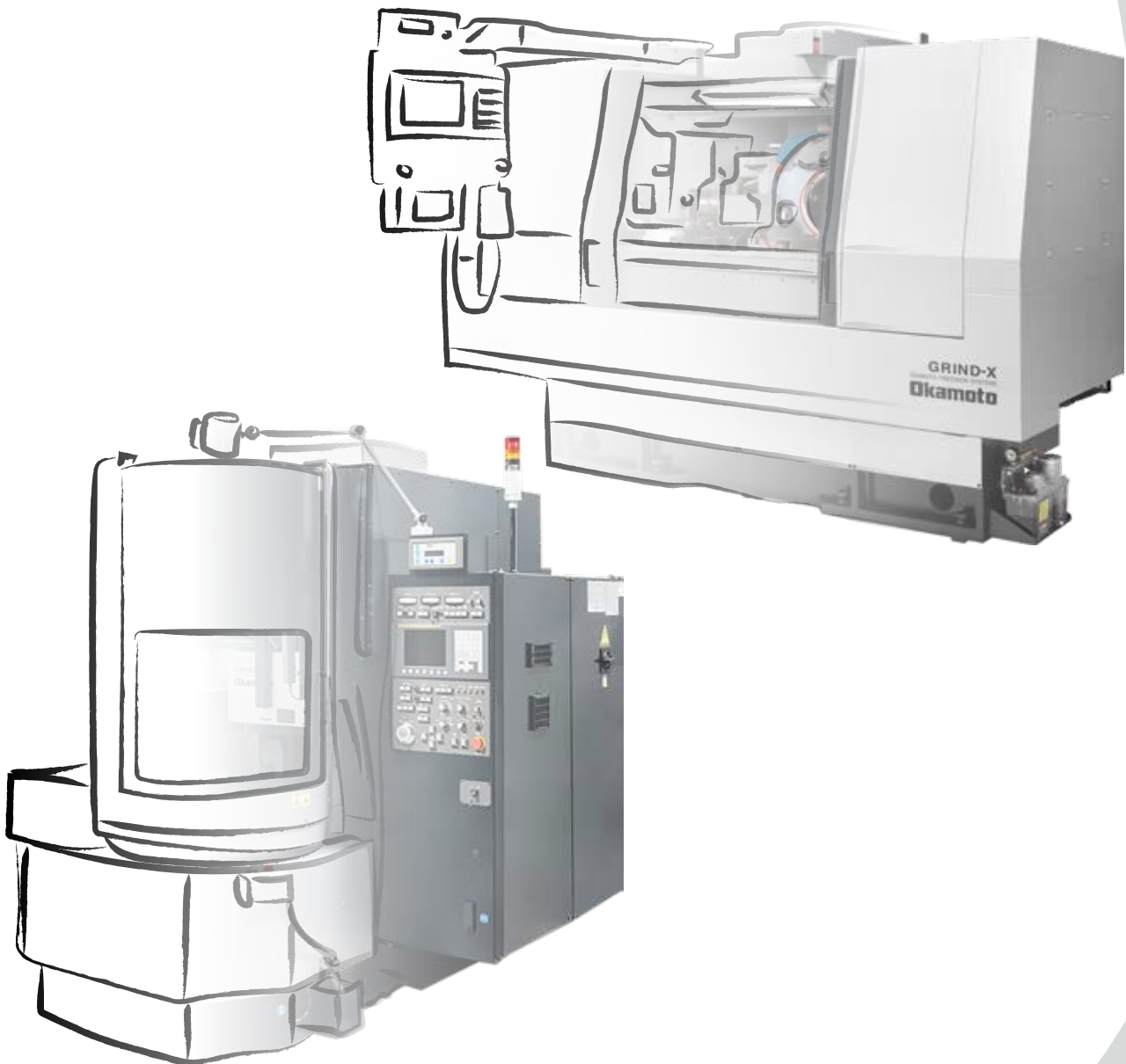


GRIND - X  
OKAMOTO PRECISION SYSTEMS  
**Okamoto**

GRINDING SOLUTIONS



**PERFECTION**  
IN FORM & TECHNOLOGY

# WORLD OF OKAMOTO



## The Company

### World leading.

Our grinding machines guarantee safety through the highest precision.

Since 1926, Okamoto Machine Tool Works Ltd. Japan is considered the world leading manufacturer of high-quality grinding machines and their accompanying equipment. Okamoto Machine Tool Europa GmbH, with its head office in Langen near Frankfurt am Main, has been serving as headquarters for the European market since 1992. As a result of the steady growth of the company, a network of subsidiary companies and business organisations has emerged in over 70 countries. Major production sites are located in Japan, Singapore and Thailand.

The intensive cooperation between Okamoto Machine Tool Works Ltd. Japan and Okamoto machine Tool Europe GmbH in Langen ensures the development and production of innovative grinding machines with the highest precision. In our work, we strive to respond positively to the developments in the market and use investments for future growth for the overall success of our company.

**Okamoto**  
**Machine Tool Europe GmbH**  
Frankfurt (Germany)



# WORLD OF OKAMOTO



## Proximity to customers

Always in line with customers' needs – that makes all the difference.

Efficient advice and after-sales-service.

Okamoto Machine Tool Works Ltd. Japan and Okamoto Machine Tool Europe GmbH, is a customer-oriented, internationally operating company – a modern service provider with high service quality. Our full service strategy focuses on the customer and their needs. Our aim is to provide our customers with top quality innovative products that offer the highest precision, a high degree of reliability, and easy operation. In our modern demonstration and application centre at Okamoto Machine Tool Europe GmbH in Langen, Germany, we are ready to demonstrate a wide selection of the products in our delivery programme.

We put great emphasis on a long-term, reliable, successful, trusting and fair cooperation with our customers and partners.

What you can expect from us in detail:

- User-specific advice from professionals
- Improving the profitability of your production
- Efficient solutions that lead to competitive advantages



# WORLD OF OKAMOTO



## Internationality

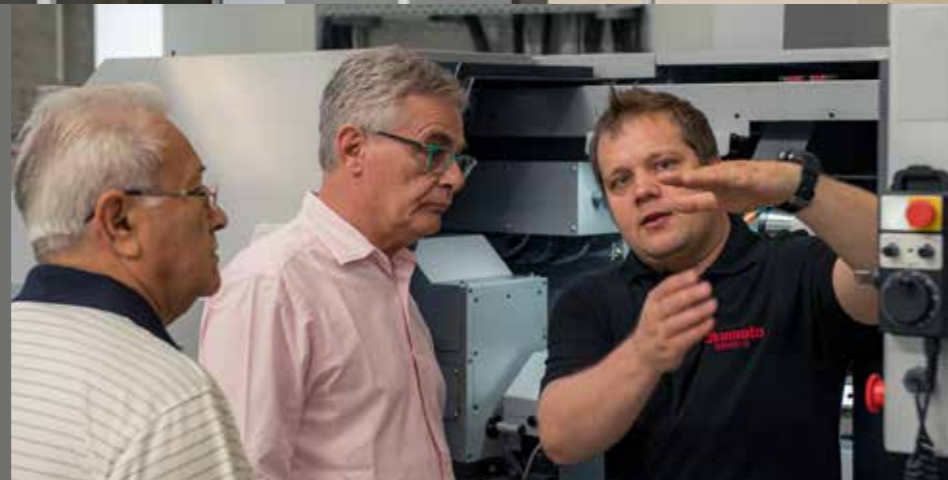
Worldwide security and competence.

Our grinding machines set international standards.

Based in the centre of Europe, Okamoto Machine Tool Europe GmbH employs staff from several different European countries as well as Germany and Japan. Together with our partners and dealers in each European country, we are able to understand the cultural and application-specific characteristics of all of our customer's needs. Because you know that we speak your language, and because you know that we understand your local market, you can be sure that you will save time and money when buying an Okamoto machine. Okamoto Europe and our partners provide a noticeable competitive advantage. With us you can feel "at home".

### What you can expect from us in detail:

- A single contact partner
- Excellent knowledge of the foreign market
- Cultural experience



# WORLD OF OKAMOTO



## Quality

### Long Life through Top Quality.

Guarantees for the safety of your production.

#### 1. Uncompromising competence

Any company that makes so many machines per year and which offers such a wide range of grinding machines, must be able to master each production step precisely. Okamoto has 4 different factories in and around Japan, and these factories share production seamlessly. All castings are made by Okamoto Thailand. Medium sized machined parts are made by Okamoto Singapore. Our largest and most sophisticated machines are made by Okamoto Japan. All Okamoto factories share the assembly of different machine ranges. The quality of Okamoto machines is overseen from casting to the end product. All Okamoto facilities follow the guidelines of DIN EN ISO 9001:2008. The perfect interaction between motivated and competent employees is not only what makes our company stand out, but also an existential component of our company philosophy.

#### 2. Certification and additional checks

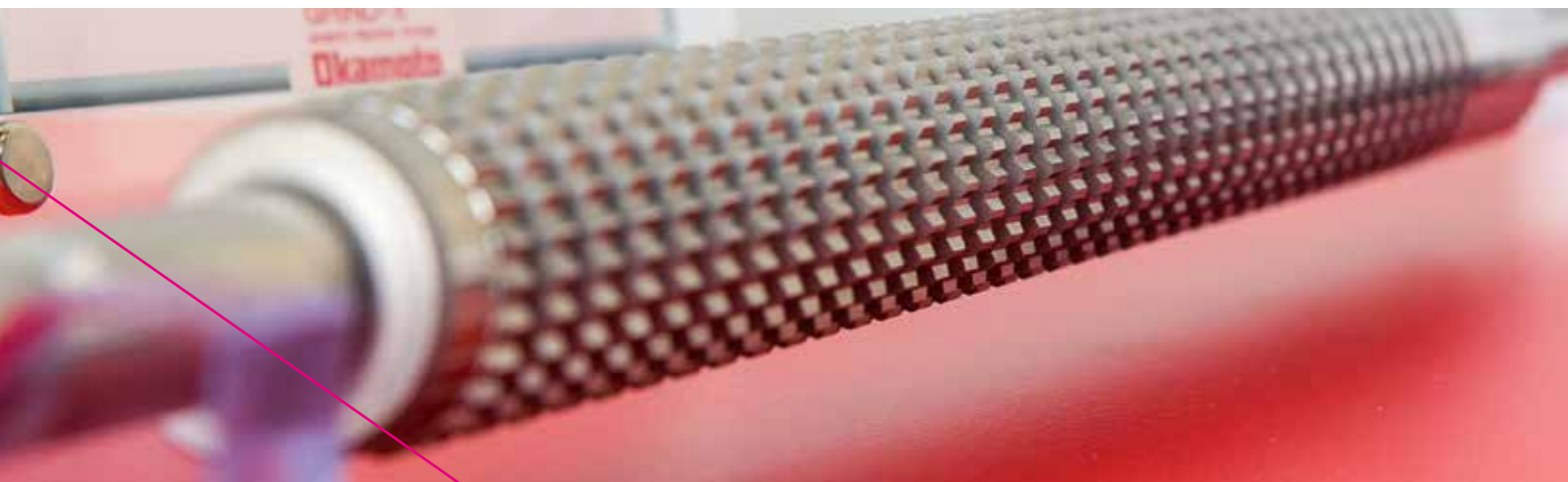
The quality management is certified according to DIN EN ISO 9001:TS 16949 and meets all international standards. Moreover, we carry out additional extensive checks in order to guarantee to our customers the utmost quality. Likewise, tool test certificates according to DIN 50049 are naturally provided by our company.

#### 3. Documentation

We continuously document our quality control, not only in order to secure quality, but also to further optimise it. Because the same goes for us: anyone who stops getting better, has stopped being good.

#### What you can expect from us in detail:

- Constant overwatch by TÜV
- DIN EN ISO 9001:TS 16949
- DIN 50049
- Product manufacturing documentation



# Cylindrical Grinding Machine

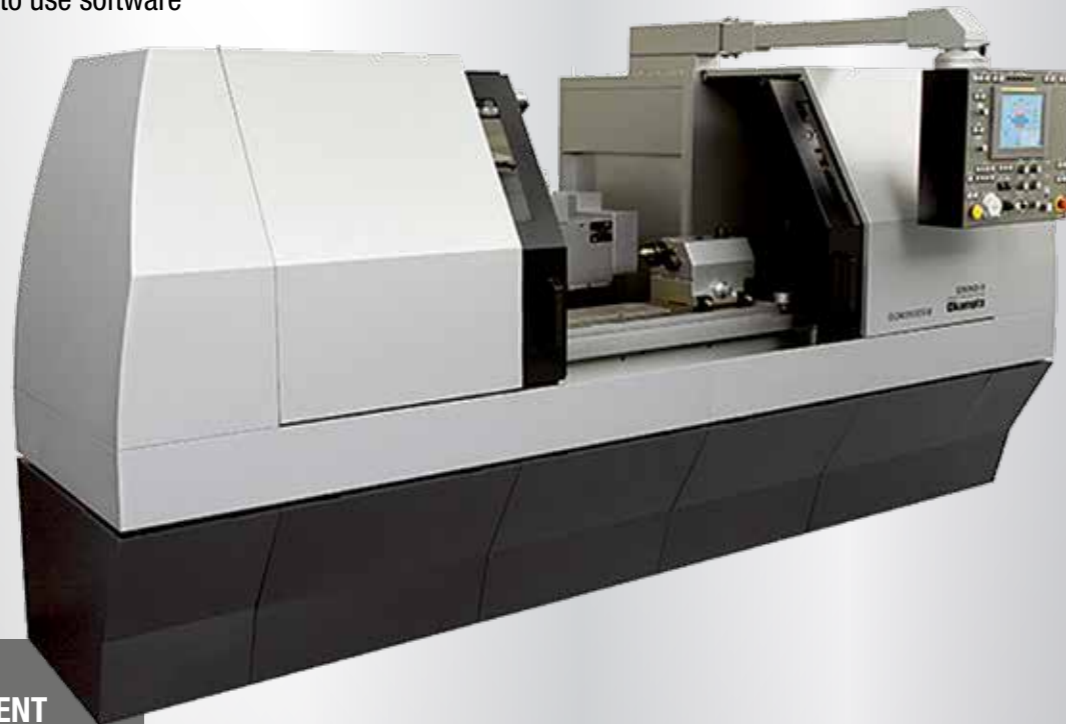


## OGM 350 NCIII/UNCIII

### Precision cylindrical grinding machine

Standard software with 10-step grinding program. Software for profile grinding optionally available. Entry of grinding data via touchscreen. Wheel and work spindles driven by Fanuc AC servomotors. Shoulder locator and gap eliminator are included in the standard equipment.

- External / universal cylindrical grinding machine
- FANUC touchscreen control featuring easy to use software
- Sizes from 500 mm to 1500 mm between centres



### ADDITIONAL EQUIPMENT

- Self centring 3-jaw chuck with adaptor Ø 200 mm
- Paper filter coolant system with 120 litre tank
- Work light LED

## OGM 350 NCIII/UNCIII

	Description	Unit	Series 200		Series 300					
			External	universal	External			universal		
			250	250	350	390	3150	350	390	3150
Capacity	Swing over table	mm	220	220	320	320	320	320	320	320
	Centre distance	mm	500	500	500	900	1500	500	900	1500
	Max. grinding diameter	mm	200	200	300	300	300	300	300	300
	Max. weight	Between centres	kg	50	50	150	150	150	150	150
Chuck (face plate + chuck + load)		kg	20	20	40	40	40	40	40	40
Grinding wheel	Size (Outside - Ø x B x Inside - Ø)	mm	Ø 355 x 50 x Ø 127	Ø 355 x 38 x Ø 127	Ø 455 x 50 x Ø 127			Ø 405 x 50 x Ø 127		
	Max. peripheral wheel speed	m/sec	45	45	45	45	45	45	45	45
Wheelhead	Stroke	mm	215	215	300	300	300	300	300	300
	Swivel angle degree	Grad	Fixed	±30	Fixed			±30		
	Min. Increment	mm	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Rapid traverse	m/min	4	4	4	4	4	4	4	4
Table	Stroke	mm	762	762	870	1270	1870	870	1270	1870
	Swivel angle	Degree	0 - -9	0 - -9	0 - -10	0 - -8.5	0 - -5	0 - -10	0 - -8.5	0 - -5
	Min. Increment	mm	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Rapid traverse	m/min	8	8	10	10	10	10	10	10
Workhead	Spindle type		High-strength combined live & dead spindle							
	Centre taper	MT	Nr. 3	Nr. 3	Nr. 4	Nr. 4	Nr. 4	Nr. 4	Nr. 4	Nr. 4
	Through bore	mm	Ø 18	Ø 18	Ø 20	Ø 20	Ø 20	Ø 20	Ø 20	Ø 20
	Spindle speed	min <sup>-1</sup>	10 - 500	10 - 500	10 - 500	10 - 500	10 - 500	10 - 500	10 - 500	10 - 500
	Swivel angle	Degree	30 ~ -90		Fixed			30 ~ -90		
Tailstock	Tailstock sleeve		Taper control type							
	Sleeve stroke	mm	20	20	30	30	30	30	30	30
	Taper	MT	Nr. 3	Nr. 3	Nr. 4	Nr. 4	Nr. 4	Nr. 4	Nr. 4	Nr. 4
Motor	Wheel spindle	kW	3.7		5.5 (opt. 7.5)					
	Workhead	kW	1,8 (AC servomotor)							
	Table feed	kW	1,2 (AC servomotor)							
	Wheelhead infeed	kW	1,2 (AC servomotor)							
	Lubricant pump	W	3							
	Coolant pump	W/P	180/2	180/2	180/2	180/2	180/2	180/2	180/2	180/2
Required power consumption		kVA	15	15	20	20	20	20	20	20
Height floor - Centre workpiece		mm	980	980	1000	1000	1000	1000	1000	1000
Total weight net		kg	3300	3300	4600	5000	6000	4600	5200	6000
			Series EX III				Series NC III			
			250	350	390	3150	250	350	390	3150
Space requirements	Width	mm	2920	3400	4200	5600	2920	3400	4200	5600
	Depth	mm	2010	2330	2330	2330	2010	2330	2330	2330
	Height	mm	1800	1800	1800	1800	1950	1950	1950	1950

# 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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