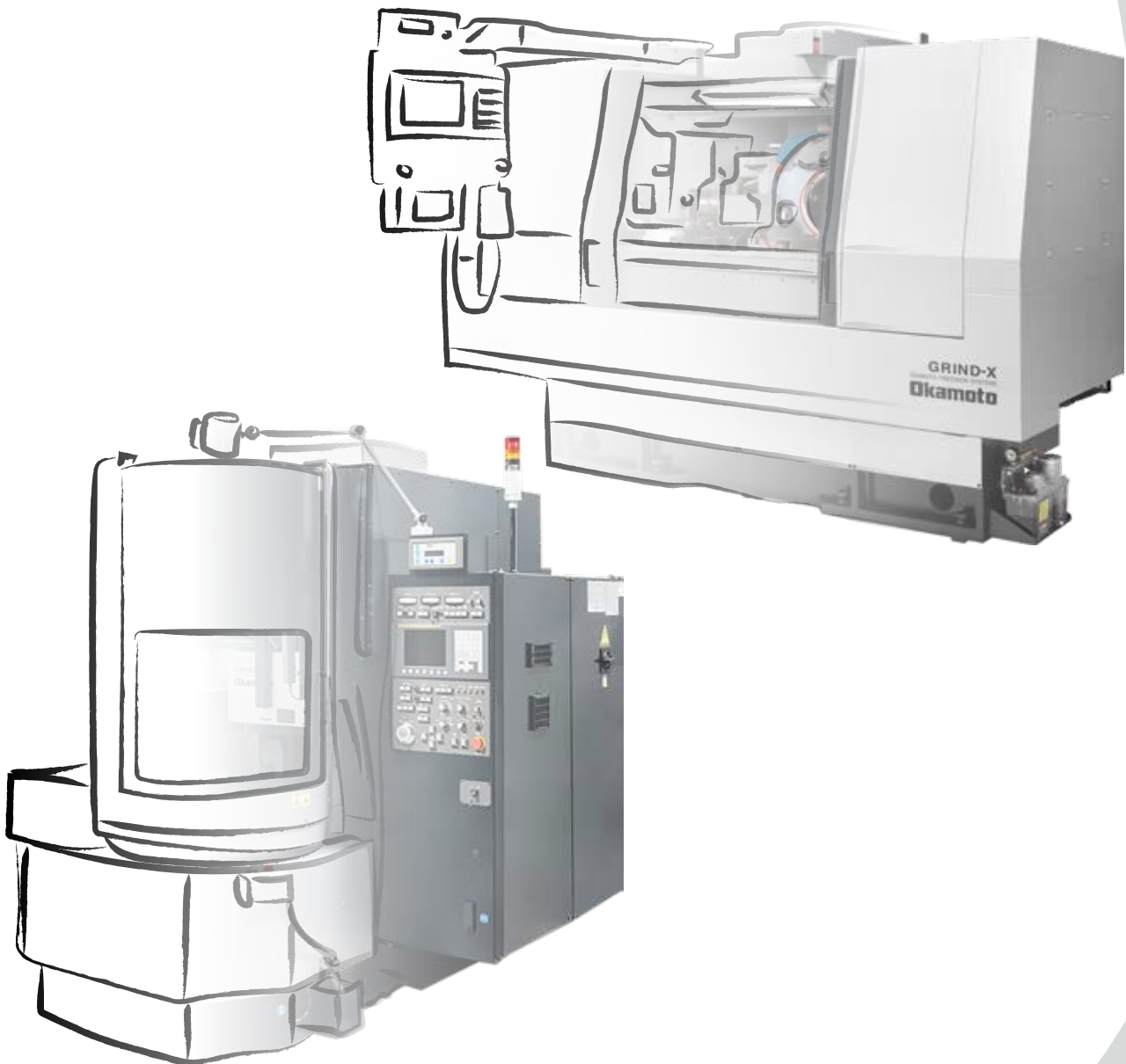


GRIND - X
OKAMOTO PRECISION SYSTEMS
Okamoto

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

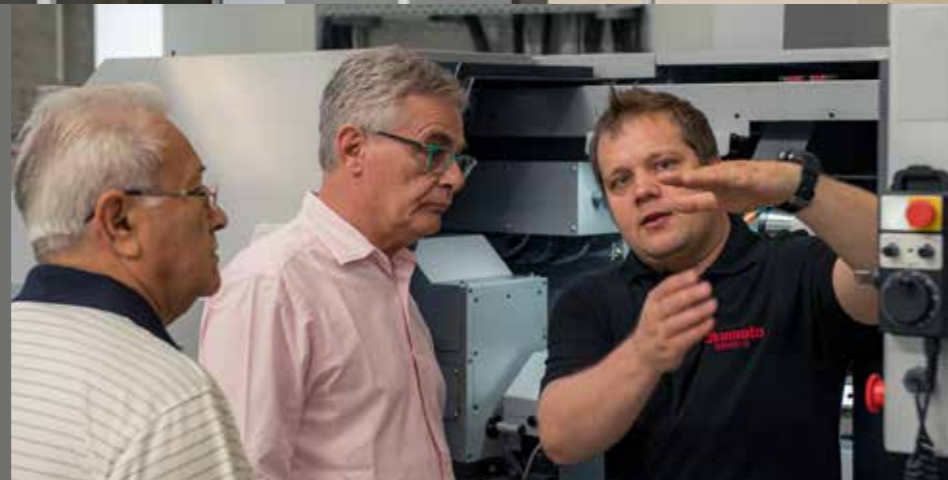
Worldwide security and competence.

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

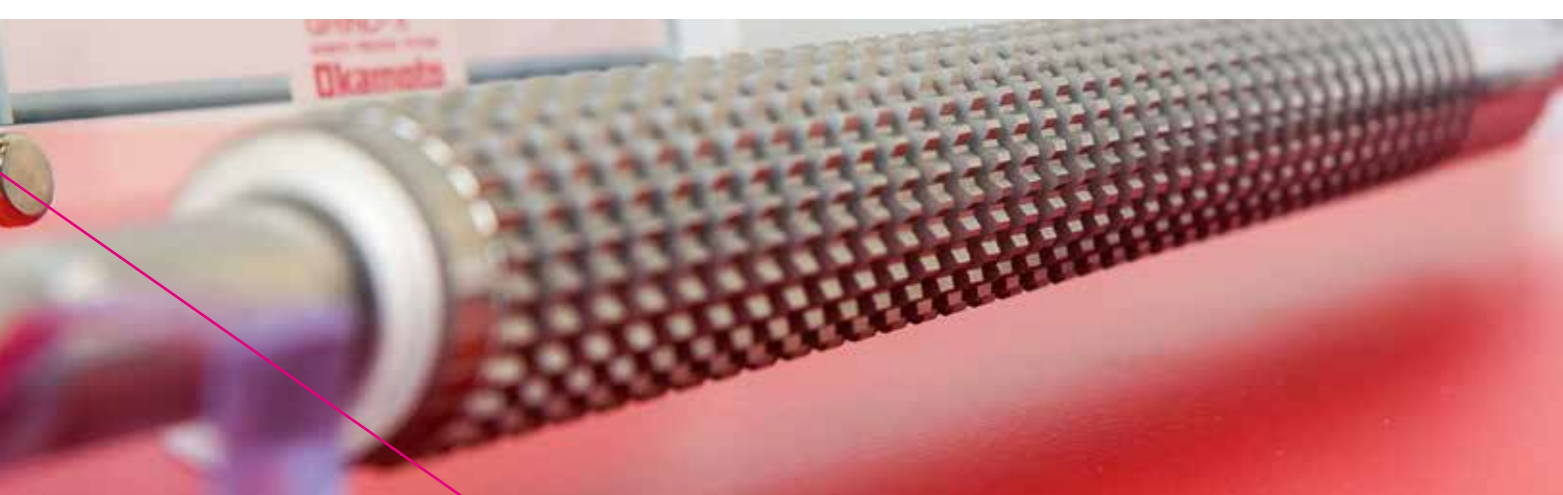
The quality management is certified according to DIN EN ISO 9001:TS 16949 and meets all international standards. Moreover, we carry out additional extensive checks in order to guarantee to our customers the utmost quality. Likewise, tool test certificates according to DIN 50049 are naturally provided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



Surface & Profile Grinding Machines



ACC CA/CAiQ

Precision surface and profile grinding machine

With a grinding length of 600 - 1000 mm and a cross travel of 400 - 600 mm the Okamoto ACC-CA/CAiQ is ideally suited for the toolroom. It features a high level of standard equipment to ensure easy handling, quick and precise small part production. The robust cast iron construction and double-V slideways in the table ensure long term precision. The intuitive operation of the controls simplifies usage and increases productivity considerably.

- Surface and profile grinding machine
- Choice of touch screen control or simple PLC controller
- Moving column design
- Magnetic chuck sizes from 600 x 400 to 1000 x 600 mm



ADDITIONAL EQUIPMENT

- Electro-(permanent) magnetic chuck
- Hydraulic overhead dresser with compensation
- Paper band filter coolant system

ACC CA/CAiQ

	Description	Unit	CA series					CA-iQ series				
			64CA	84CA	104CA	66CA	106CA	64CA-iQ	84CA-iQ	104CA-iQ	66CA-iQ	106CA-iQ
Work area	Table length x width	mm	605 x 400	805 x 400	1016 x 400	605 x 600	1016 x 600	605 x 400	805 x 400	1016 x 400	605 x 600	1016 x 600
	Table stroke length x width	mm	800 x 440	1000 x 440	1200 x 440	800 x 652	1200 x 652	800 x 440	1000 x 440	1200 x 440	800 x 652	1200 x 652
	Maximum distance grinding wheel - table	mm	22,5 - 522,5			-2,5 - 497,5		22,5 - 522,5			-2,5 - 497,5	-2,5 - 497,5
	Standard size chuck	kg	600 x 400 x 90	800 x 400 x 90	1000 x 400 x 90	600 x 600 x 90	1000 x 600 x 90	600 x 400 x 85	800 x 400 x 85	1000 x 400 x 85	600 x 600 x 85	1000 x 600 x 85
	Table load incl. chuck		1000			1500		1000			1500	1500
	Table height (from floor)		915									
Table	T-slots	mm	-									
	Speed	rpm	3 - 25									
Cross movement	Manual	Feed / rotation	0,1 / 1,0 / 5,0					0,01 / 0,1 / 1,0 / 5,0				
		Division hand wheel	0,001 / 0,01 / 0,05					0,0001/0,001/0,01 / 0,05				
	Automatic	Int. feed	0,5 - 20					0 - 1000				
		Cont. feed	mm/min	0 - 2000					0 - 1000			
Vertical movement	Manual	Feed / rotation	0,01 / 0,1 / 1,0									
		Division hand wheel	0,0001 / 0,001 / 0,01									
	Automatic	Roughing	0,0001 - 0,03 (15 steps)					0,001 - 0,03				
		Finishing	mm/min.						0,0001 - 0,01			
	Feed (F command)	mm	-					1000				
	Number of spark-out passes		0 - 5					0 - 99				
Rapid traverse		0 - 1000										
Grinding wheel	D x Width x d	mm	Ø 355 x 38 x Ø 127		Ø 405 x 50 x Ø 127		Ø 355 x 38 x Ø 127		Ø 405 x 50 x Ø 127			
	Speed (inverter)	R.P.M.	500 - 2500									
Motors	Grinding wheel spindle	kW	7,5									
	Hydraulic pump	kW	2,2 / 4									
	Infeed	kW	1,5									
	Cross movement	kW	0,75									
Power consumption (incl. chuck and coolant system)			13			16		24				
Space requirements	Length	mm	3400	3800	4400	3550	4480	3400	3800	4400	3550	4478
	Depth	mm	2900	2900	2900	3350	3350	2900	2900	2900	3350	3350
	Height	mm	2203	2203	2203	2275	2275	2203	2203	2203	2275	2275
Weight		kg	4950	5500	7000	6300	7300	4950	5500	7000	6300	7300

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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