

JTEKT JTEKT CORPORATION

NAGOYA HEAD OFFICE

No. 7-1, Meieki 4-chome, Nakamura-ku, Nagoya, Aichi Pref., 450-8515, JAPAN TEL: (81)52-527-1900 FAX: (81)52-527-1911

OSAKA HEAD OFFICE

No. 5-8, Minamisemba 3-chome, Chuo-ku, Osaka, 542-8502, JAPAN TEL: (81)6-6271-8451 FAX: (81)6-6245-3712

SALES & MARKETING HEADQUARTERS

No. 5-8, Minamisemba 3-chome, Chuo-ku, Osaka, 542-8502, JAPAN TEL: (81)6-6245-6087 FAX: (81)6-6244-9007

— GLOBAL NETWORK —

MACHINE TOOLS & MECHATRONICS BUSINESS OPERATIONS

MACHINE TOOLS & MECHATRONICS OVERSEAS SALES DEPT.

1, Asahimachi 1-chome, Kariya, Aichi Pref., 448-8652, JAPAN
TEL: (81)566-25-5171 FAX: (81)566-25-5467

OVERSEAS AFFILIATED COMPANIES

TOYODA MACHINERY USA CORP. HEADQUARTERS
316 W.University Drive,
Arlington Heights, IL 60004
U.S.A.
TEL: (1)847-253-0340
FAX: (1)847-577-4680

TOYODA MACHINERY USA CORP. AUTOMOTIVE PRODUCTS & SPECIAL MACHINES DIVISION
51300 W. Pontiac Trail
Wixom, MI. 48393-1003
U.S.A.
TEL: (1)248-624-5755
FAX: (1)248-624-8597

TOYODA MACHINERY AND ENGINEERING EUROPE SAS
2 Grande Allee P.A des Petits Carreaux
94380 Bonneuil sur Marne, FRANCE
TEL: (33)1-49.56.85.80
FAX: (33)1-43.77.47.50

TOYODA MACHINERY EUROPE GmbH HEADQUARTERS
Bischofstr. 118 47809 Krefeld GERMANY
TEL: (49)2151-5188-300
FAX: (49)2151-5188-333

TOYODA MACHINERY (DALIAN) CO., LTD. HEADQUARTERS
46 Developing Zone In DaLian, 116600 China
Dalian, CHINA
TEL: (86)-411-8733-4601
FAX: (86)-411-8733-4602

TOYODA MACHINERY (DALIAN) CO., LTD. BEIJING OFFICE
Room 1017, Fortune Building No.5 Dong San Huan North Road Chaoyang, Beijing, 100004 CHINA
TEL: (86)-10-6590-9356~58
FAX: (86)-10-6590-9359

TOYODA MACHINERY (DALIAN) CO., LTD. SHANGHAI OFFICE
Room 25B3, V-Capital Building 333 Xianxia Road Changning District, Shanghai, 200336 CHINA
TEL: (86)-21-5178-1088
FAX: (86)-21-5178-1099

TOYODA MACHINERY (DALIAN) CO., LTD. FOSHAN OFFICE
2 Wushaxinhui Road, Daliang Street Shunde District, Foshan, Guangdong, 52833 CHINA
TEL: (86)-757-2232-6651~52
FAX: (86)-757-2232-6650

TOYODA MACHINERY (DALIAN) CO., LTD. CHONGQING OFFICE
14-2Room, Block 3, Jinkai Sincere Center, Jinkai Road68#, Northern new District, Chongqing, 401121 CHINA
TEL: (86)-23-6305-6070
FAX: (86)-23-6305-6077

TPA ENGINEERING CORP.
84BL-19Lot,
Namdong Industrial Complex,
675-18, Gojan-Dong, Namdong-ku, Incheon, KOREA
TEL: (82)-032-822-0305
FAX: (82)-032-822-0306

TOYODA MACHINERY S.E. ASIA CO., LTD.
313, Bangna-Trad Road, KM.1
Kwang Bangna, Khet Bangna,
Bangkok, 10260 THAILAND
TEL: (66-2)361-8250~1
FAX: (66-2)361-8252

PT.JTEKT INDONESIA
MM2100 Industrial Town
Jl. Halmahera Block DD-3
Cikarang Barat, Bekasi 17520 INDONESIA
TEL: (62)21-8998 3275
FAX: (62)21-8998 3274

TOYODA KOKI DO BRASIL INDUSTRIA E COMERCIO DE MAQUINAS, LTDA.
Alameda Ulderico Ferrari, 100,
Itaim Guacu, Itu, SP 13312-655, BRASIL
TEL: (55)4023-1730

TOYODA MICROMATIC MACHINERY INDIA LIMITED
506-507, 5th Floor, Suncity Business Tower,
Golf Course Road, Sector-54
Gurgaon-122002, Haryana, INDIA
TEL: (91)-124-4264602
FAX: (91)-124-4288355

GL6A/P-II GL7A/P-II CNC Production Cylindrical Grinders

GL6A-II
GL6P-II
GL7A-II
GL7P-II



<http://www.jtekt.co.jp>

Information presented in this brochure is subject to change without prior notice.

Available machines or machines shown may vary depending on optional equipment or periodic design changes.

The export of products defined as restricted commodities (or technologies) under Japan's "Foreign Exchange and Foreign Trade Act" requires an export license issued by the Japanese Government. Furthermore, similar licenses may be required for re-transfer, re-sale or re-export of such products, therefore please do not fail to contact JTEKT in advance.

In order to observe laws and regulations and prevent inappropriate export, re-sale and relocation, JTEKT has equipped all of our NC machine tools with devices that detect relocation. If this device is activated, the machine will cease operation and will not restart until it has been checked by JTEKT. JTEKT may refuse to restart the machine should it be deemed that such an action would amount to the inappropriate export of a commodity or technology, or violate export regulations. In such a case, JTEKT will not be liable for any damages arising from the refusal to restart machine operation and do not bear any liability to perform services pertaining to product warranty.

Please contact your JTEKT representative for details. Always read manuals carefully before using any machinery to ensure safe and proper use.

Type of Machinery: Grinder
Model Number: GL6-II and GL7-II

High efficient, new generation grinder

Best choice for mid- to high-volume productions

Applied widely for automobile, electronic and machine components



This photo shows the machine with special specifications.
Paint color shall be specified by mutual agreement.

CNC Production Cylindrical Grinders

GL6A/P-II GL7A/P-II

Increasing wheel width improves productivity.

	GL6A/P-II	GL7A-II	GL7P-II
Multi-wheel width	200mm	250mm	400mm
Single wheel width	160mm	250mm	

Cycle time is shortened by consolidating two processes into one. This is made possible by adopting a wider grinding wheel.

Automatic set-up change function

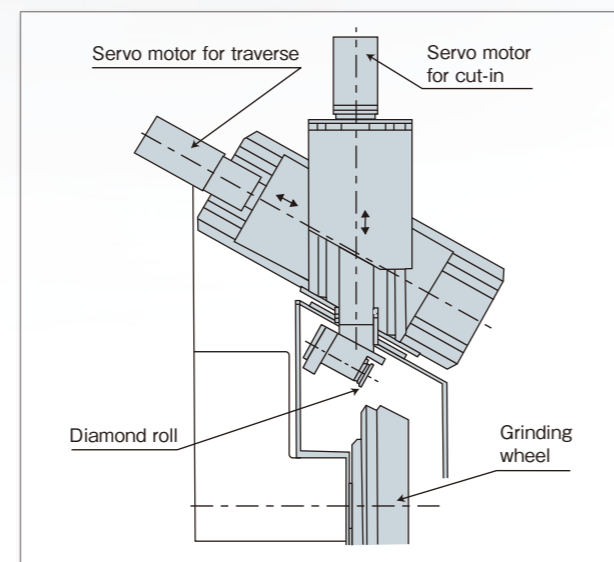
- The Rich NC feature automates setup and changeover functions on 12 axes to speed setup time **Option**
- Automatic wheel dressing after wheel change **Option**
- An optional 3-axis NC loader supports various workpieces and allows long hours of unmanned operation. **Option**

CBN wheel with surface speed of 80m/s **Option**

The TOYOPUC-GC70 CNC is a standard accessory with the Rich NC function.

A diamond roll on the wheelhead shortens set up time. **Option**

The wheel can be dressed during workpiece loading or unloading. Such simultaneous operations shorten part cycle time.



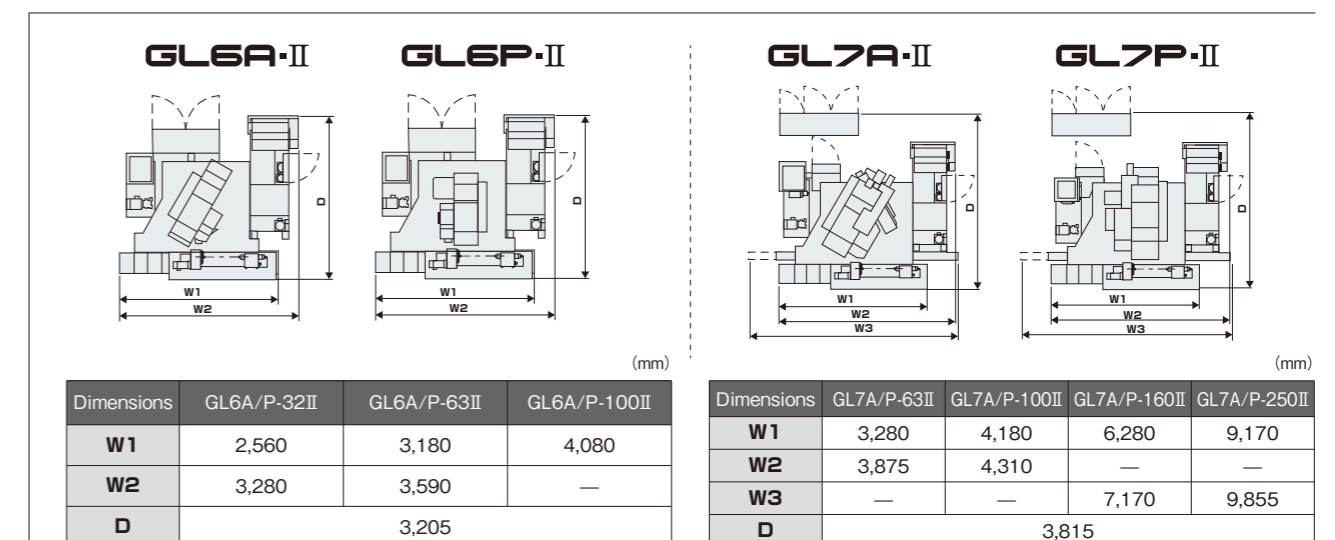
Machine specifications

() : option [] : option for special wheel specifications

Item	Unit	Between centers 320/630/1,000				Between centers 1,600/2,500		
		GL6A-II	GL6P-II	GL7A-II	GL7P-II	GL7A-II	GL7P-II	
		Angular type	Straight type	Angular type	Straight type	Angular type	Straight type	
Swing over table	mm	φ400				φ400 (φ500)		
Distance between centers	mm	320 / 630 / 1,000		630 / 1,000		1,600 / 2,500		
Grinding diameter	mm	φ0~φ300				φ0~φ300 (φ0~φ400)		
Max. load between centers	kg	300 (120 when using footstock with automatic repositioning quill)				300 (500) (120 when using footstock with automatic repositioning quill)		
Grinding wheel	OD×ID	φ610×φ304.8 [φ450]		φ760×φ304.8 [φ915×φ304.8]		φ760×φ304.8 [φ915×φ304.8]		
	Max. single wheel width	mm	160	250 [160]	250 [160]	250 [160]		
	Max. multi-wheel width	mm	200	250 [200]	400 [200]	250 [200]	400 [200]	
	Wheel surface speed	m/s	45 (60) [80]				45 (60)	
Wheel head	Rapid feedrate	m/min	φ15				φ15	
	Min. input increment	mm	φ0.000 1				φ0.000 1	
Table	Rapid feedrate	m/min	15				13 / 8	
	Min. input increment	mm	0.000 1				0.000 1	
Workhead			Live spindle				Live spindle	
	Center		MT No.5				MT No.5	
	Spindle rotation speed	min ⁻¹	32~630				32~630 (20~300)	
Footstock			With manual taper corrector				Without manual taper corrector (manual corrector when using the dia. on the workhead)	
	Center		MT No.5				MT No.5	
	Max. footstock quill stroke	mm	60				60	
Drive motor	Wheel spindle	kW	11 (15)		22 (30)		22 (30)	
	Work spindle	kW	1.5				1.5 (2)	
Tank capacity	Hydraulic oil	L	40				40	
	Wheelhead spindle bearing lubrication oil	L	60				60	
	Lubricant oil	L	20				20	
	Coolant	L	350				350	
Machine weight	kg	7,800 / 8,500 / 9,200		9,500 / 10,300		12,500 / 13,300		
Controller		TOYOPUC-GC70				TOYOPUC-GC70		

※ The above value might be restricted due to the equipped accessory and tooling.

Machine Layout



Dimensions	GL6A/P-32II	GL6A/P-63II	GL6A/P-100II
W1	2,560	3,180	4,080
W2	3,280	3,590	—
D	3,205		

May vary due to optional equipment.

Dimensions	GL7A/P-63II	GL7A/P-100II	GL7A/P-160II	GL7A/P-250II
W1	3,280	4,180	6,280	9,170
W2	3,875	4,310	—	—
W3	—	—	7,170	9,855
D	3,815			

May vary due to optional equipment.