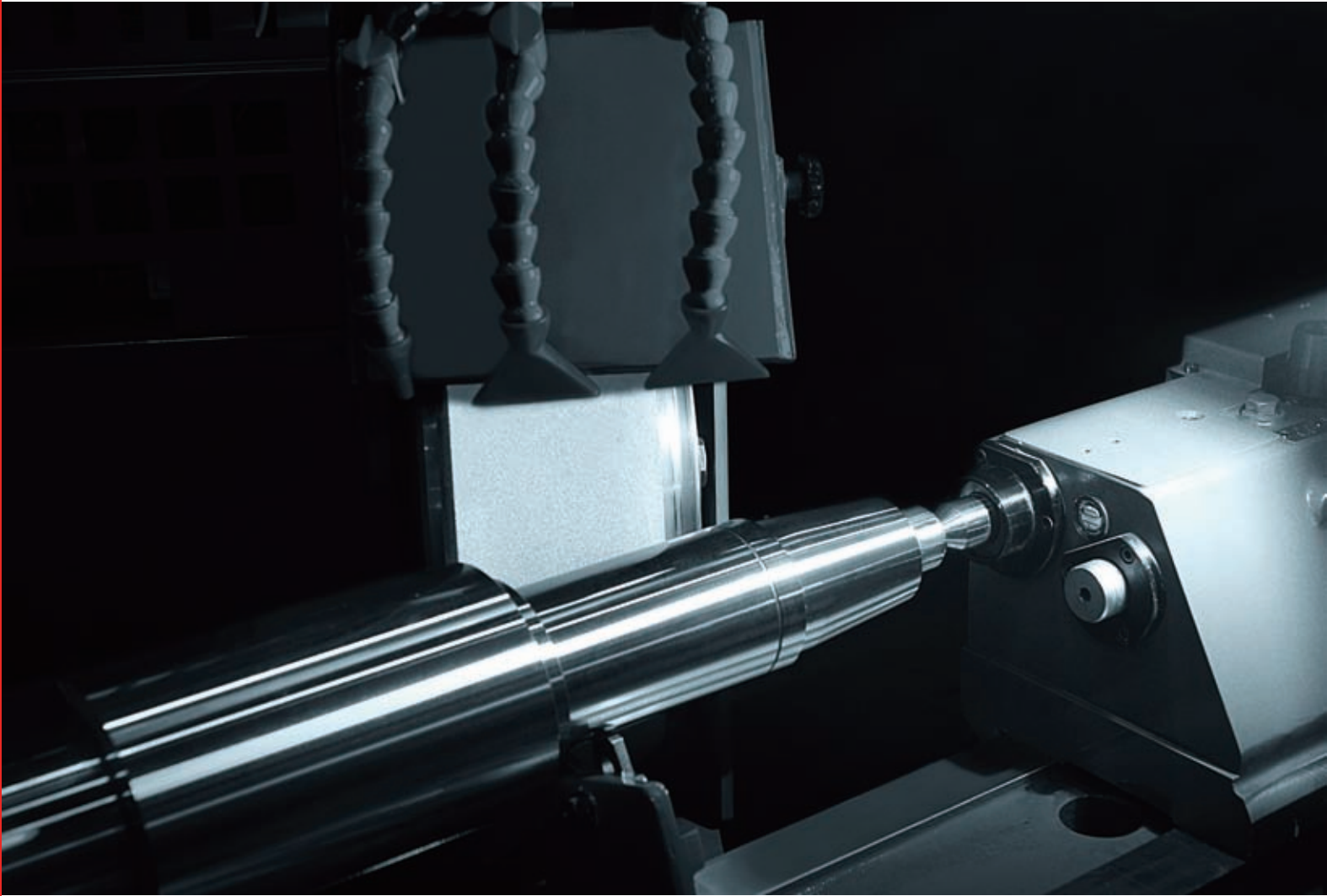


TOYODA

JTEKT Group

Grinding Machine

Line Up



Toyota is the world's largest producer of cylindrical grinding machines, with over 30,000 installations worldwide. We have the most advanced and diverse line of high performance grinders in the industry.

CNC CYLINDRICAL GRINDERS

GEB

Economical, general-purpose cylindrical grinder for small parts



- Features the TOYODA STAT BEARING
- Easy set-up for single part runs
- User friendly control
- Advanced design simplifies operation

Center distance	9.8 in (250 mm)
Swing over table	ø7.8 in (ø200 mm)
Max wheel size (OD)	ø13.9 in (ø355 mm)
Wheel surface speed	6,500 sfpm (33 m/sec) (opt 8,860 sfpm (45 m/sec))

GE4

Economical, general-purpose cylindrical grinder



- Features the TOYODA STAT BEARING
- Easy set-up for single part runs
- User friendly control
- Advanced design simplifies operation

Center distance (GE4A/P-50)	19.6 in (500 mm)
Center distance (GE4A/P-100)	39.4 in (1,000 mm)
Center distance (GE4P-150)	59 in (1,500 mm)
Swing over table	ø12.6 in (ø320 mm)
Wheel surface speed	6,500 sfpm (33 m/sec) (opt 8,860 sfpm (45 m/sec))

GEE

Economical, general-purpose cylindrical grinder

- Features the TOYODA STAT BEARING
- Features a highly accurate, low vibration bed with an X-shape rib structure
- A wide range of options available for large-sized workpieces



Center distance (GE6P-160)	63 in (1,600 mm)
Center distance (GE6P-250)	98.4 in (2,500 mm)
Center distance (GE6P-320II)	125 in (3200 mm)
Center distance (GE6A-150)	59 in (1500 mm)
Center distance (GE6A-240)	94.5 (2400 mm)
Swing over table	ø22 in (ø560 mm)
Max wheel size (OD x ID)	ø24 x 10 in (ø610 x 254 mm) (opt ø29.9 x 12 in (ø760 x 304.8 mm))
Wheel surface speed	6,500 sfpm (30 m/sec) (opt 8,860 sfpm (45 m/sec))

GL5

Straight or angle head production grinder



- Features the TOYODA STAT BEARING
- A wide range of options makes high-volume production possible
- Ideal for grinding automobile parts and home electric applications
- High surface speed CBN wheel can be applied to make highly-efficient grinding possible (option)

Center distance (GL5A/P-32II)	12.6 in (320 mm)
Center distance (GL5A/P-63II)	24.8 in (630 mm)
Swing over table	ø12.6 in (ø320 mm)
Max wheel size (OD x ID)	ø20 x 8 in (ø510 x 203.2 mm) (opt ø24 x 12 in (ø610 x 304.8 mm))
Wheel surface speed	8,860 sfpm (45 m/sec) (opt 11,800 sfpm (60 m/sec)) (opt CBN 15,750 sfpm (80 m/sec)) (opt CBN 23,500 sfpm (120 m/sec))

GL6

Straight or angle head production grinder



- Features the TOYODA STAT BEARING
- A wide range of options makes high-volume production possible
- Ideal for grinding automobile parts and home electric applications
- Large wheel width spec. can be applied to make highly-efficient grinding possible (option)

Center distance (GL6A/P-32)	12.6 in (320 mm)
Center distance (GL6A/P-63)	24.8 in (630 mm)
Center distance (GL6A/P-100)	39.4 in (1,000 mm)
Swing over table	ø15.6 in (ø400 mm)
Max wheel size (OD x ID)	ø24 x 12 in (ø610 x 304.8 mm) (opt ø29.9 x 12 in (ø760 x 304.8 mm))
Wheel surface speed	8,860 sfpm (45 m/sec) (opt 11,800 sfpm (60 m/sec)) (opt CBN 15,750 sfpm (80 m/sec))

GL7

Straight or angle head production grinder

- Features the TOYODA STAT BEARING
- A wide range of options makes high-volume production possible
- Ideal for grinding automobile parts and home electric applications
- Large wheel width spec. can be applied to make highly-efficient grinding possible (option)



Center distance (GL7A/P-63)	24.8 in (630 mm)
Center distance (GL7A/P-100)	39.4 in (1,000 mm)
Center distance (GL7A/P-160)	63 in (1,600 mm)
Center distance (GL7A/P-250)	98.4 in (2,500 mm)
Swing over table (GL7A/P-63/100)	ø15.6 in (ø400 mm) ø19.7 in (ø500 mm)
Swing over table (GL7A/P-160/250)	ø15.6 in (ø400 mm) ø19.7 in (ø500 mm)
Max wheel size (OD x ID)	ø30 x 12 in (ø760 x 305 mm) (opt ø36 x 12 in (ø915 x 305 mm))
Wheel surface speed	8,860 sfpm (45 m/sec) (opt 11,800 sfpm (60 m/sec))

Select G

Flexible grinder with manually adjustable wheel head

- Features the TOYODA STAT BEARING
- Quickly changed between plain and angle wheel head configurations
- Easily customize with our wide range of sub-assembly options to meet your high production needs

Center distance Select G -100	39.4 in (1,000 mm)
Center distance Select G -150	59.0 in (1,500mm)
Swing over table	ø12.6 in (ø320 mm)
Max wheel size (OD x ID)	ø20 x 8 in (ø510 x 203.2 mm)
Wheel surface speed	8,500 sfpm (43 m/sec)



CBN CRANKSHAFT GRINDERS

GF32

High precision crankshaft grinder

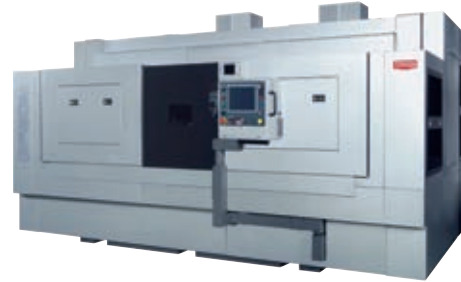


- Single linear motor wheel head
- Features the TOYODA STAT BEARING
- Advanced control makes highly accurate grinding a reality
- Small machine footprint maximizes floorspace

Center distance	13.8 in (350 mm) / 24.8 in (630 mm)
Swing over table	ø12.6 in (ø320 mm)
CBN grinding wheel OD	ø16.9 in (ø430 mm)
Wheel surface speed	23,500 sfpm (120 m/sec) (opt 15,750 sfpm (80 m/sec))

GF50

High precision crankshaft grinder



- Dual linear motor wheel head
- Features the TOYODA STAT BEARING
- Highly-efficient grinding for crank pins
- Engineered to deliver precision crankshaft grinding with improved reliability

Center distance	27.5 in (700 mm) / 55.1 in (1,400 mm)
Swing over table	ø19.7 in (ø500 mm)
CBN grinding wheel OD	ø25.5 in (ø650 mm)
Wheel surface speed	23,500 sfpm (120 m/sec)

CBN CAMSHAFT GRINDERS

GC20

Flexible high precision camshaft grinder



- Features the TOYODA STAT BEARING
- Advanced control makes highly accurate grinding a reality
- Small machine footprint maximizes floorspace

Center distance	13.8 in (350 mm) / 24.8 in (630 mm)
Swing over table	ø7.8 in (ø200 mm)
CBN grinding wheel OD	ø13.8 in (ø350 mm) ø3.9 in (ø100 mm) ø5.9 in (ø150 mm)
Wheel surface speed	23,500 sfpm (120 m/sec) (opt 15,750 sfpm (80 m/sec))

GC32

Flexible high precision camshaft grinder



- Features the TOYODA STAT BEARING
- Advanced control makes highly accurate grinding a reality
- Small machine footprint maximizes floorspace

Center distance	24.8 in (630 mm) / 47.2 in (1,200 mm) 78.7 in (2,000 mm)
Swing over table	ø12.6 in (ø320 mm)
CBN grinding wheel OD	ø13.8 in (ø350 mm) ø3.9 in (ø100 mm) ø5.9 in (ø150 mm)
Wheel surface speed	15,750 sfpm (80 m/sec) (opt 31,500 sfpm (160 m/sec)) (opt 39,370 sfpm (200 m/sec))

TOYODA

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