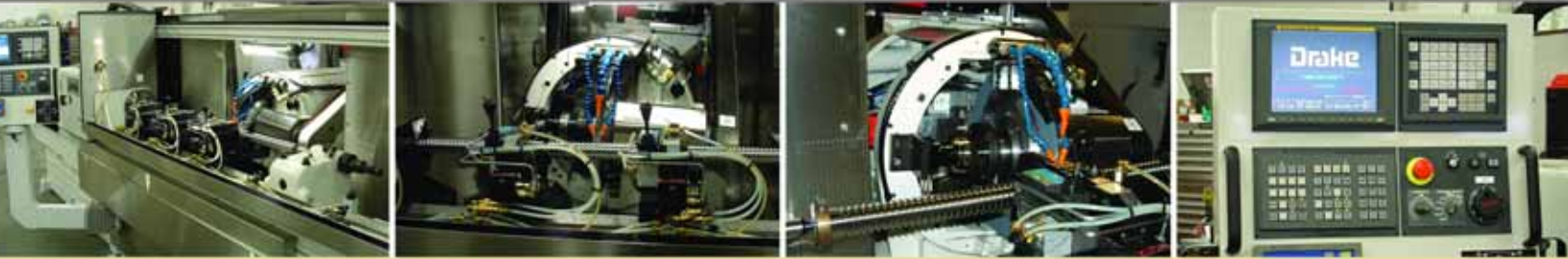


Two models in popular sizes ...

## DRAKE 2 & 3-Meter Ballscrew Grinders



### GS:TE 2-Meter & GS:TE 3-Meter

Grind ballscrews...  
as well as lead  
screws, feed  
screws, worms,  
multi-start threads  
and complex  
geometries.



Drake GS:TE 2 & 3-meter Ballscrew Grinders are built on proven, time-tested platforms, equipped with our most advanced grinding technologies and will arrive programmed to run your specific parts.

#### Drake advanced design and grinding technologies:

- Built-in Part Smart™ programming - run parts and change over jobs with menu-driven ease. *No programming knowledge required.*
- High static and dynamic stiffness - use the latest superabrasives with confidence.
- Tenth-micron scale feedback for world-class accuracy.
- Drake Smart Spindle™ technology providing automatic balancing, touch dressing, and part feature locating. Makes hook-ups easy.
- Drake Smart Form™ technology automatically generates wheel forms for correcting helical path interference and off-helix grinding.
- CNC controlled motorized diamond roll contour dresser mounted behind the wheel.
- Variable Wheel & Work Speeds programmable for rough and finish grinding and wheel truing.
- State of the art Fanuc CNC system.



**Drake**  
MANUFACTURING

# GS:TE 2 & 3-Meter Specifications

## Specifications

### PartSmart™ Menu-Driven Screens

#### Typical Menu Entries

NUMBER OF STARTS	00	LEAD	00.00000
THREAD HAND	L/R	THREAD LENGTH	00.00
BLANK O.D.	0.0000	SIZE COMP	0.00000
TOTAL DEPTH	0.0000	TAPER COMP	0.00000
WHEEL DIA	00.00	FIN STOCK	0.0000
RUF PASSES	00	FIN PASSES	00
RUF WHEEL m/s	00000	FIN WHEEL m/s	00000
RUF WORK mm/m	000	FIN WORK mm/m	00
DRESS COUNT	00	DRESS WHL m/s	0000
DRESS AMOUNT	0.0000	DRESS FEED mm/m	00
ROOT RADIUS	0.000	ROOT FLAT	0.000
CREST RADIUS	0.000		

### GS:TE 2-Meter Specifications\*

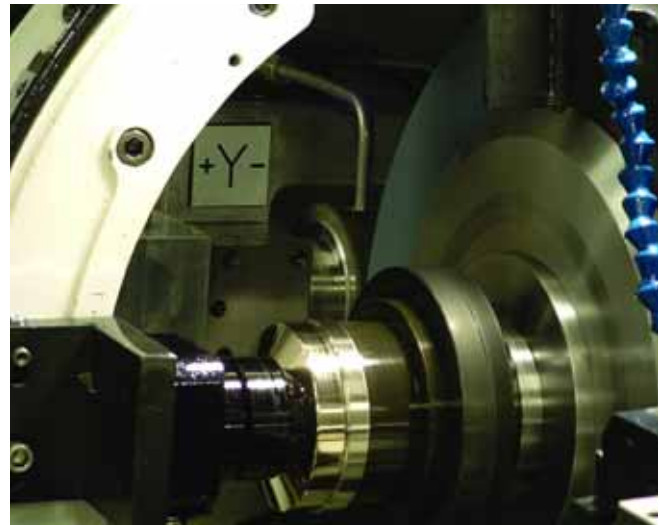
Axis	Description	GS:TE 2-M	Speed	Part Capacity
C	Work Rotation	10:1	0 to 200 RPM	3" thru workhead
X	Wheel Feed	6"	0 to 400 IPM	9" part diameter
Y	Dresser Cross	1-1/4"	0 to 400 IPM	1" form width
Z	Table Travel	72"	0 to 400 IPM	85" between centers
A	Wheel Helix	36°LH & 45°RH	Manual	
Spindle		5.5 kW (7.5 hp)		70 m/sec

Other machine capacities available, please ask.

#### GS:TE 2-Meter Dimensions

Overall machine	230" L x 65" D (5840 mm x 1650 mm)
Coolant discharge height	24" (600 mm) above bottom of base
Part loading height	48" (1200 mm) above bottom of base
Machine Weight	22,000 lbs

\*Built on Ex-Cell-O 36L base. Don't have one? We do! Subject to prior sale.



CNC diamond roll contour dresser located behind the wheel

### GS:TE 3-Meter Specifications\*\*

Axis	Description	GS:TE 3-M	Speed	Part Capacity
C	Work Rotation	20:1	0 to 100 RPM	5" thru workhead
X	Wheel Feed	5.00"	0 to 400 IPM	16" part diameter
Y	Dresser Cross	1-1/4"	0 to 400 IPM	1" form width
Z	Table Travel	118"	0 to 200 IPM	140" between centers
A	Wheel Helix	± 25°	Power	
Spindle	Wheel Drive	7.5kW	1000 to 3500 RPM	70 m/sec

#### GS:TE-3-Meter Dimensions

Overall machine	260" L x 90" W x 84" (6600 mm x 2290 mm x 2130 mm)
Coolant discharge height	20" (500 mm) above bottom of base
Part loading height	48" (1200 mm) above bottom of base
Machine Weight	45,000 lbs.

\*\* Built on Matrix Model 70 base. Don't have one? We do! Subject to prior sale.

ISO 9001:2000 Certified Quality System



**MANUFACTURING**  
**Smart Technology.™**

4371 North Leavitt Road  
Warren, OH 44485  
Phone: 330.847.7291  
Fax: 330.847.6323  
Web Site: [www.drakemfg.com](http://www.drakemfg.com)  
E-Mail: [info@drakemfg.com](mailto:info@drakemfg.com)