

# PARSETTER SERIES 1800 TMM

**Simple. Powerful. Complete.**

Parlec has combined the features and capabilities of its best-selling presetter with an incredibly simple user interface, durable steel cabinet base and a number of advanced features to create a complete tool measuring and inspection solution.

The Parsetter Series 1800 TMM® is a robust platform, powerful enough to run the most challenging applications with ease.

It greatly reduces setup time, minimizes material waste, and dramatically improves the life and utilization of cutting tools.

Parlec—defining what a total presetting and tool measuring system should be—again!



## SERIES 1800 TMM FEATURES

- ParleVision PSC Measuring System with Sub-Micron CMOS Imaging System
- One-Button Operation with Easy-to-Use, Stable Linux Interface
- Match Ground, Precision Roller-Bearing Spindle with Vacuum Clamping, 360° Brake, and 90° Position Lock
- LED Ring Light for Exceptionally Clear Tool Surface Inspection
- Dual-Axis Fine Adjust System
- 17" (432 mm) TFT Touchscreen Interface with Rubber Sealed Keyboard and Mouse
- Label Printer with Multiple Label Formats
- Integrated, Heavy-Duty Steel Cabinet with Locking Door and Retractable Leveling Feet for Mobility and Vibration Dampening
- Storage for up to 500 Tool Assemblies (nominal dimensions and min-max tolerances)
- Storage for up to 99 calibration or offset coordinates

## Over Fifteen Measuring, Presetting, and Inspection Routines. One-Button Execution of Most Functions!



**Dynamic Crosshairs for Quick Measurements**



**Surface Inspection and Tool Geometry Displays**



**Control Tool Run Out**



**Set Chamfering and Helical Tools Accurately**

For a quotation, please contact 1-800-TOOL-USA (1-800-866-5872) or visit [www.parlec.com](http://www.parlec.com).

**PARLEC**

# PARSETTER SERIES 1800 TMM®

## COMPLETE PRESETTING AND TOOL MEASURING SYSTEM

### 1800 TMM SPECIFICATIONS

#### MEASURING RANGE

**Diameter:** 420 mm (additional 50 mm travel to the right of spindle for turning applications)

**Length:** 400 mm, 500 mm, or 600 mm

#### RESOLUTION

.0005 mm Heidenhain Encoders

.001 mm Readout Resolution

#### LINEAR GUIDES

Precision Linear Guide System

#### POSITIONING

Ergonomic quick positioning offers smooth travel and effortless motion

#### MACHINE CONSTRUCTION

Ductile cast iron with symmetry design to eliminate thermal distortion

#### SPINDLE

ISO 50 taper for SK, CAT, BT, NMTB, and Big Plus tooling spindle system includes vacuum clamping, 360° brake, and 90° indexing

#### DIMENSIONS AND WEIGHT

**Overall Width:** 1,524 mm (60")

**Depth:** 527 mm (21")

**Height:** 890 mm (35") with 400 mm Z-travel, 1,115mm (44") with 600 mm Z-travel

**Average Shipping Weight:** 295 kg (650 lbs.)

#### UTILITIES

**Electric:** 110 v 60 hz to 220 v 50 hz

**Air:** Standard shop air 60-90 PSI

### 1800 TMM SYSTEM OPTIONS

#### PGC PLUS Tool Data Management and Communications

For applications that require a high degree of measuring repeatability and advanced tool data management and communications, Parlec's PGC PLUS software is a Windows-based enhancement to the ParleVision PSC Measuring System.



PGC Plus includes data processing to most machine tool controls, integration with Mazak®, Okuma®, Mori Seiki®, Makino®, Fastems®, TDM Systems®, Balluff®, and dozens of other manufacturing systems.

Using a MySQL® database, PGC PLUS also allows the creation of a comprehensive tool assembly and component records with linking capability to other reference files on your network—drawings, photos, work instructions, data files, etc.

Job scheduling provides convenience and process control to help organize data communications and tool data file downloading to machine tool control systems.

#### Spindle Adapters for Any Tooling Style

Parlec offers a wide variety of adapters to fit HSK®, CAPTO®, KM®, VDI®, and almost any other style of tooling.



Parlec's Engineered Solutions Division, combined with a large in-house manufacturing capability, assures high-quality results and quick turnaround times.

# PARLEC

BY ANY MEASURE  
Measurably Better

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