

**PARLEC**

# ShrinkSet TMM<sup>®</sup> System



Introducing ShrinkSet TMM  
Tool Presetting, Measuring  
and Qualifying with Integrated  
Induction Heat Shrink Technology

# Thermal Induction Technology



# Cool-to-the-Core™ Technology



# Technology and Performance

## Powerful, High-efficiency Induction System

- Safe & efficient operation
- Automatic coil position
- 10 KW frequency generator for carbide & high speed steel
- Effective on tool diameters from 4 mm to 32 mm
- Optional quick-change induction head for large tool diameters from 32 mm to 50 mm



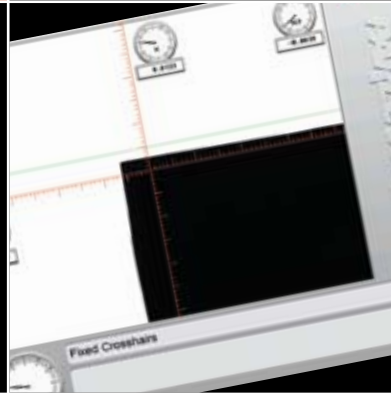
## Parlec Cool-to-the-Core™ Technology

- Precision spindle slide immersion system - No handling hot tools!
- Complete cooling and drying of the tool "Cool-to-the-Core" in under two minutes
- Tool is ready to use immediately after induction/preset cycles



## Simple, One-screen Interface

- Large LCD touchscreen operation
- Standard heat shrink cycles for one-button execution
- Manual override setting of parameters is allowed
- Custom tool cycle creation
- Shrink factor compensation

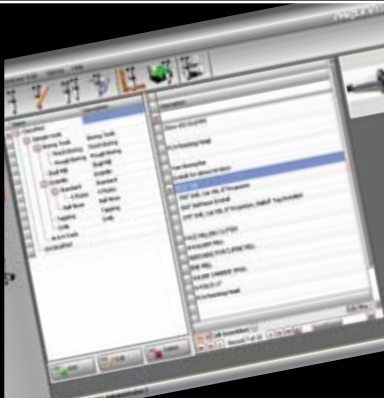


## ParleVision PSC Measuring System

- High-resolution CMOS imaging and inspection
- Powerful performance for precise measurements
- Fully functional preset and tool measuring operations
- Shrink factor compensation

## PGC Plus Tool Data Management and Communications

- Paperless tool data management
- Job scheduling
- Data processing to most machine tool controls and tool management systems
- MySQL database engine
- Fully networkable in a client-server environment



## Complete System Features

- Water bath for cooling of cutting tools
- Tool tray
- Label printer with configurable formats



The solution that's right for you



# ShrinkSet TMM<sup>®</sup>

For applications that require utilizing all the technical advances of shrink set tooling

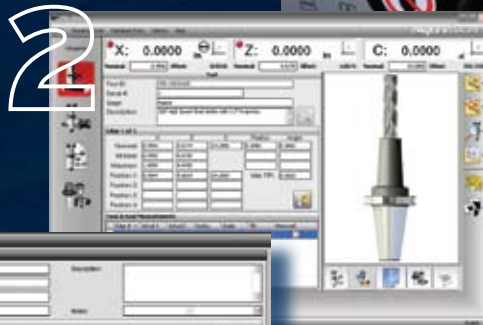
## A D V A N T A G E S

One integrated system for quick setup and breakdown of shrink set tooling

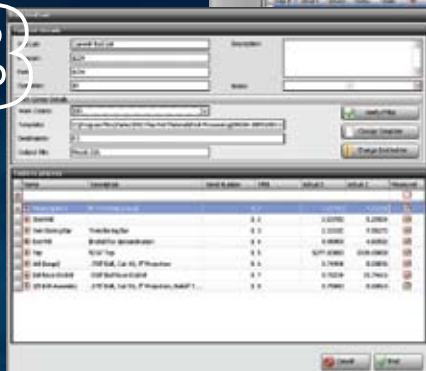
## T H R E E - S T E P P R O C E S S



Assemble and Cool the Tool



Certify the Tool Assembly



Post the Tool Data

## Specifications

### PRESETTER MEASURING RANGE

**Max Tool Length:** 600 mm

**Max Tool Diameter:** 420 mm

(additional 25 mm travel to the right of spindle for turning applications)

### PRESETTER RESOLUTION

.0005 mm Heidenhain Encoders

.001 mm Readout Resolution

### LINEAR GUIDES

Precision Linear Guide Systems

### PRESETTER 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 systems

### HEAT SHRINK CUTTING TOOLING RANGE

**Standard Coil:** 6 mm to 32 mm diameter

**Optional Large Coil:** 32 mm to 50 mm diameter

### SHRINK CYCLE POSITIONING

Automatic pneumatic slide engages/disengages induction head. Precision spindle slide system automatically transports tool assembly into Cooling Zone

### DIMENSIONS AND WEIGHT

**Overall Width:** 1552 mm (61.1")

**Depth:** 825 mm (32.5")

**Height:** 1947 mm (76.6")

**Average Shipping Weight:** 340 kg (750 lbs.)

### UTILITIES

**Presetter:** 110V 60Hz to 220V 50Hz

**Induction System:** 400-480V three phase 16 Amps

**Air:** Standard shop air 90-110 PSI



## Options and Accessories



Heat Shrink  
Setting Adapters



Large diameter  
Induction Head



Tooling Adapters

**PARLEC** | BY ANY MEASURE  
Measurably Better

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