

Custom Tooling

MMT Tools

Multi-stone mandrels provide superior speed and accuracy on applications using a variety of high-production machines, including the Sunnen ML, EC, and KGM Series machines plus other major brands. These mandrels are for bore diameters ranging from 3,8 to 31,7 mm (.150 in. to 1.250 in.). For sizes above 31,7 mm (1.250 in.) consult your Sunnen Field Engineer.

Using multi-stone mandrels can also save you money ... per-part honing costs can be reduced by 30 percent in some applications versus conventional honing tools.

- Available with high-quality metal-bonded CBN or diamond precision graded superabrasive stones.
- Can be used with either water or oil-based coolants depending on application.
- Manufactured from high-strength steel to ensure long life.
- Precision machined, ensuring proper fit of superabrasive stones and generating bore geometry to meet your close-tolerance demands.
- Faster honing cycle times and improved stone life.
- Superabrasive stones can be specified for optimization on any application.
- Superior bore geometry out of the box - no need for (truing) the stones.
- Superior performance in distorted parts from heat-treat operations.
- Available quick-change design minimizes tool changeover time (for Sunnen machines only).



PH Tools

Ideal for diesel cylinder liners, automotive and light truck engine block cylinder bores, small engine cylinder bores, aircraft cylinder bores, gears, pump bodies and liners, hydraulic cylinders and other mid- to high-production applications of bore diameters ranging from 3.00 in. (76,2 mm) to 7.5 in. (190,5 mm).

Key Features

- Integral air gage available for in-process measurement for optimum control of the bore diameter
- Uses superabrasives, conventional abrasives or plateau honing tools
- Can be customized for any application -- can use various abrasive dimensions to meet the diameter and bore length requirements of specific applications
- Engineered with high-quality steel for extended operating life
- Ideal for blind bore applications
- Match ground internal components for the ultimate in precision operation
- Designed for fast changeover and ease of installation
- For optimum roundness and straightness, tool can hold up to 12 stones
- End cap designed to guide the tool into the bore to prevent tool damage
- Can be used with Sunnen SV-500, SV-310, SV-3/4 and CK-21 honing systems
- Can be adapted to use on many honing machines manufactured by others



STANDARD
MANDRELS

STANDARD
TOOLING

PORTABLE
TOOLING

CUSTOM
TOOLING

ABRASIVES

MACHINE
ACCESSORIES

GAGING

FILTERS

HONING FLUIDS
& COOLANTS

TECHNICAL
DATA