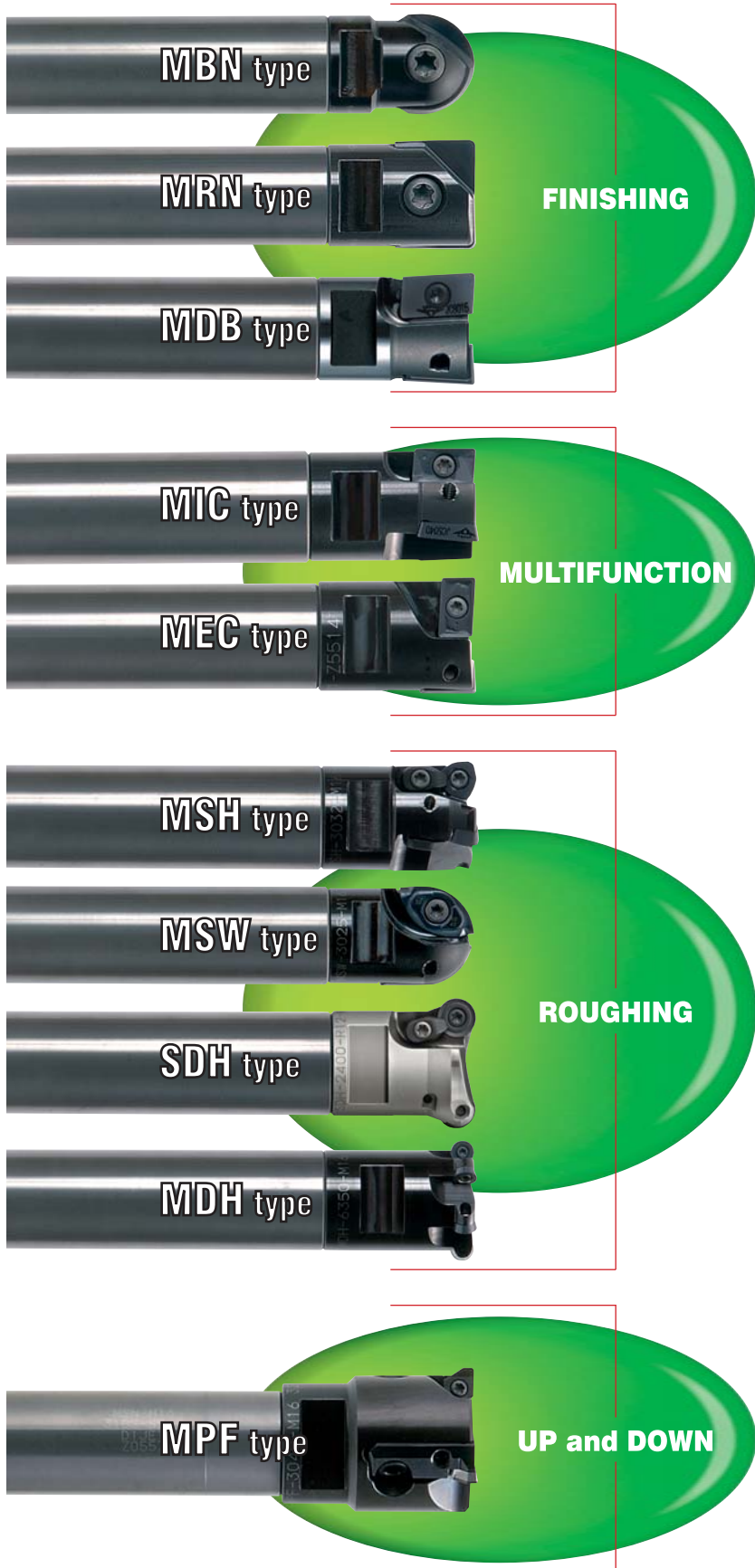












MODULAR HEAD SYSTEM



FULL LINEUP

Tuff Modular Head System

| HEADS | |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINISHING |  MBN type (page A-175) $\text{Ø } 1/2'' - \text{Ø } 1 1/4''$ $\text{Ø } 10\text{mm} - \text{Ø } 32\text{mm}$ |
| |  MRN type (page A-178) $\text{Ø } 1/2'' - \text{Ø } 1 1/4''$ $\text{Ø } 10\text{mm} - \text{Ø } 32\text{mm}$ |
| |  MDB type (page A-186) $\text{Ø } 25\text{mm} - \text{Ø } 40\text{mm}$ |
| MULTI-FUNCTION |  MIC type (page A-187) $\text{Ø } 5/8'' - \text{Ø } 1 1/4''$ $\text{Ø } 16\text{mm} - \text{Ø } 40\text{mm}$ |
| |  MEC type (page A-191) $\text{Ø } 5/8'' - \text{Ø } 1 1/4''$ $\text{Ø } 16\text{mm} - \text{Ø } 35\text{mm}$ |
| ROUGHING |  MSH type (page A-193) $\text{Ø } 5/8'' - \text{Ø } 1 1/4''$ $\text{Ø } 16\text{mm} - \text{Ø } 40\text{mm}$ |
| |  MSW type (page A-189) $\text{Ø } 3/4'' - \text{Ø } 1 1/4''$ $\text{Ø } 20\text{mm} - \text{Ø } 32\text{mm}$ |
| |  SDH type (page A-182) $\text{Ø } 20\text{mm} - \text{Ø } 42\text{mm}$ |
| |  MDH type (page A-184) $\text{Ø } 3/4'' - \text{Ø } 1 1/4''$ $\text{Ø } 12\text{mm} - \text{Ø } 40\text{mm}$ |
| UP & DOWN |  MPF type (page A-195) $\text{Ø } 30\text{mm} - \text{Ø } 40\text{mm}$ |

Features

- 2 to 3 times higher machining efficiency when compared to conventional steel body. The tuff modular system controls the vibration, shortening machining time and increasing cost savings.
- Extensive tool management is possible, from roughing to finishing with the combination of ten different kinds of heads.

SOLID CARBIDE HOLDERS



$\text{Ø } 1/2'' - \text{Ø } 1 1/4''$

$\text{Ø } 10\text{mm} - 32\text{mm}$



$\text{Ø } 9.8\text{mm} - \text{Ø } 32\text{mm}$

Many different combinations possible for one carbide holder.

Carbide holder can be used repeatedly by changing the head, even if the head is damaged.

Head can easily be changed while on the machine due to the screw type mounting.

G-Body Gives the body strength and improved tool life. Anti-welding effect and corrosion resistance is improved.

High Efficiency



Extensive Tool Management



Cost Reduction