

Wadkin North America...A Name You Can Depend On!



CAN YOU REALLY AFFORD CHEAP TOOLING?
Wadkin offers exceptional quality
for the most affordable price!

Your moulder is a large investment; it makes perfect sense to equip this valuable machine with only the highest quality tooling. But at what cost?

Wadkin Cutterheads are simply the best value for your tooling dollar! We manufacture our corrugated moulder heads to meet or surpass the highest industry standards. We only use the highest quality materials to offer you a product designed for superior performance and life.

CUTTERHEAD BALANCE: "The life and performance of your moulder hangs in the balance"

ISO quality standards refer to G16 as being the industry standard for rotating tools. Wadkin moulder heads are dynamically balanced to G2.5, which is a substantially tighter tolerance.

Example: A tool that is only 1 gram out of balance on a moulder spindle at 6,000 rpms is equal to swinging a 22 pound weight over your head! Can you afford excessive bearing and machine wear from out-of-balance tooling?

BENEFITS:

- *Less Vibration*
- *Longer Cutterhead Life*
- *Better Finished Products*
- *Extends Bearing Life*

BORE CONCENTRICITY "All the boring details..."

For near perfect accuracy, Wadkin maintains bore concentricity of 0.000787 inches (20 microns) on all moulder heads.

BENEFITS:

- *Quality Surface Finish*
- *Dimensional Accuracy*

BORE TOLERANCE "The hole true and nothing but..."

The ISO specified bore tolerance is 0 to 25 microns. Too tight a tolerance will make the cutterhead difficult to fit on the shaft. Too loose a tolerance results in a sloppy fit. Wadkin avoids these problems by tighter controlling of the bore tolerance to +5 to +20 microns.

END SQUARENESS "Head and shoulders above the rest"

The end face on any moulder head must be square to the bore to avoid major machine problems or damage. The end squareness tolerance on Wadkin moulder heads is 0.00039 inches (10 microns). The end-to-end parallelism is 0.000197 inches (5 microns).

BENEFITS:

- *Better Tool Balance*
- *Reduces Vibration*
- *Faster Setup*
- *Lessens Potential Spindle Damage*
- *Increased Product Accuracy*

PARALLEL KNIFE SLOT SERRATIONS "Broaching the subject of corrugations"

Wadkin achieves near-perfect parallelism and repeatability on all Hydro Bore cutterheads by "broaching" our head corrugations. The broaching process actually shapes the entire tool surface rather than using standard metal cutting tools to "CUT" the corrugations. FOUR times more precise than "CUT" serrations.

BENEFITS:

- *Safer Knife Support*
- *Improved Finish*
- *Higher Concentricity*
- *More Accurate Grinding and Jointing of Knives in the Head*

