Mitsubishi Corrugating Rolls deliver a greater depth of performance.

Mitsubishi-supplied Corrugating Rolls differ from other rolls with features that deliver improved runnability and roll life. By induction hardening our Corrugating Rolls before journal assembly, slotting and flute forming, we achieve a uniform hardness deep through the entire flute and beyond. This exclusive process delivers crack- and break-resistant flute and slot edges for unequaled roll life. Patented HVOF spray-applied tungsten carbide coating is then finish ground yielding a wear resistant surface as smooth and consistent as chrome, ready to use right out of the box... with no run-in time required. Insist on Mitsubishi Corrugating Rolls for optimal performance of your Single Facer.

**Surface Hardening**

**Before Flute Forming:**
- Thick and homogenous hardened layer
- No crack, no break up of flutes
- Maximized toughness of flutes

**After Flute Forming:**
- Thin and uneven hardened layer
- More likely to have cracks or broken teeth during operations
- Low bending strength and fragile flute tips

Contact us for more information:
Mike Ishmael
Corrugating Roll Sales Manager
Phone: 443-578-1997
Email: mishmael@mhicorr.com
Parts Business Marketing
Department: 410-584-7990

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Comparison of Tungsten Surface Roughness

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<th>MITSUBISHI</th>
<th>OTHER</th>
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Mitsubishi Corrugating Rolls

Induction Hardened
Mitsubishi corrugating rolls are induction hardened before flute forming. This process results in rolls with deep and uniformly hardened layers with homogeneous hardness. Since the depth of the hardened layer is approximately 9mm, the entire flute is hardened and it is unlikely to have cracks or broken flutes during operations.

Tungsten Carbide Coating
Our patented HVOF spraying process offers a very hard tungsten carbide coating layer with an extremely long life span. In addition, our unique finishing-by-grinding process ensures that the coating surface is of a uniform thickness and as smooth as chrome.

Chrome Plating
The Nomura chrome plating process offers a harder, denser and more wear-resistant chrome plating layer than any other processes. In addition, a much higher thickness of chrome in the valley eliminates the tendency of flaking that other processes exhibit at higher thicknesses.

Tough, wear-resistant layer finish
ground for smooth, even surface

Chrome Plating (option)
R-62 is a dense .006”non-flaking layer
50% thicker than other suppliers

Induction Hardened
Thick, consistent depth of
HRc 56±2 hardness achieved
before slotting & fluting
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