



**HAMILTON
PRECISION METALS**

**SPECIALTY RE-ROLLER OF METAL STRIP,
FOIL AND ULTRA-THIN FOIL
FOR PRECISION APPLICATIONS**





- HPM rolls metal strip, foil and ultra-thin foil in nearly any alloy and specialty metal.
- Tightest tolerances and thinnest gauges in the industry – from 1.5 mm (.060”) to 1.5 microns (.000060”) in thickness.
- Specified for applications wherever quality, precision and consistency are critical to performance.
- Delivery of any combination of specific mechanical, physical, electrical and magnetic properties – and with any surface finish.
- Complete service at every phase – from experimental and short-run lots for R&D prototypes to verification and testing of final product parameters before order placement.
- Global network of customers and sales and technical staff.

No one offers a broader range of metals and alloys than HPM:

- Stainless and heat-resisting steels
- Nickel and high-nickel alloys
- Nickel-base superalloys
- Cobalt-base superalloys
- Precision resistance and strain-gage alloys
- Copper and copper alloys
- Titanium
- Controlled-expansion alloys



Find out how HPM's unique engineering capabilities and manufacturing flexibility will consistently meet your most critical application requirements. Contact us today at 717.569.7061 or visit hpmetals.com.

Inches

Thickness	4" Wide	8" Wide	12" Wide
.00006 to .00045"	±5%	—	—
.00045 to .001"	±5%	±.000040"	±.000050"
.001 to .004"	±.000050"	±.000060"	±.000075"
.004 to .010"	±.0010"	±.00010"	±.00012"
.010 to .020"	±.00015"	±.00020"	±.00025"
.020 to .040"	±.00020"	±.00035"	±.00050"
.040 to .075"	±.00035"	±.00060"	±.0010"

Tolerances in percent or inches. Tolerances may vary depending on alloy being rolled.

Millimeters

Thickness (mm)	100mm Wide	200mm Wide	300mm Wide
0.0015 to 0.012	±5%	—	—
0.012 to 0.0250	±5%	±0.0010	±0.0013
0.025 to 0.010	±0.0013	±0.0015	±0.0019
0.10 to 0.25	±0.0025	±0.0025	±0.0030
0.25 to 0.50	±0.0038	±0.0051	±0.0064
0.50 to 1.0	±0.0051	±0.0089	±0.0127
1.0 to 1.9	±0.0089	±0.0127	±0.0254

Tolerances in percent or mm. Tolerances may vary depending on alloy being rolled.

The tables above outline typical thickness tolerances available from HPM, which are tighter than industry standards.



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Specialty re-roller of metal strip, foil and ultra-thin foil
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ISO 9001:2000

AMETEK
SPECIALTY METAL PRODUCTS