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Standard High Quality Aluminum Mold Bases*

Precision Machined from 7075 Aluminum

Features:

- Locating ring hole 4.000" diameter
- Milled clamp slots
- Ground parting line surface
- Four heat treated leader pins and bushings
- Four return pins
- Vented leader pins
- Three piece assembled ejector housing
- Milled ejector plate requiring no rest buttons
- Beveled edges on all corners
- Parting line pry slots
- 3D CAD data available

Note: PCS standard aluminum & PCS standard steel mold bases have different hole location. Top Clamp Plate thickness is .88". Please see CAD data for details.

Aluminum Mold Base Frame Sizes and Available Plate Thicknesses

Plate thicknesses (A & B Plates)

Frame Sizes	1.94"	2.44"	2.94"	3.44"	Rail Height
8.0" x 8.0"	AL-88-19-19	AL-88-24-24	AL-88-29-29		3"
8.0" x 10.0"	AL-810-19-19	AL-810-24-24	AL-810-29-29		3"
8.0" x 12.0"	AL-812-19-19	AL-812-24-24	AL-812-29-29		3"
10.0" x 10.0"		AL-1010-24-24	AL-1010-29-29	AL-1010-34-34	3"
10.0" x 12.0"		AL-1012-24-24	AL-1012-29-29	AL-1012-34-34	3"
10.0" x 14.0"		AL-1014-24-24	AL-1014-29-29	AL-1014-34-34	3"
12.0" x 12.0"		AL-1212-24-24	AL-1212-29-29	AL-1212-34-34	3-1/2"
12.0" x 14.0"			AL-1214-29-29		3-1/2"
12.0" x 16.0"			AL-1216-29-29		3-1/2"

Made in U.S.A.

*Contact PCS for standard aluminum mold base lead times.

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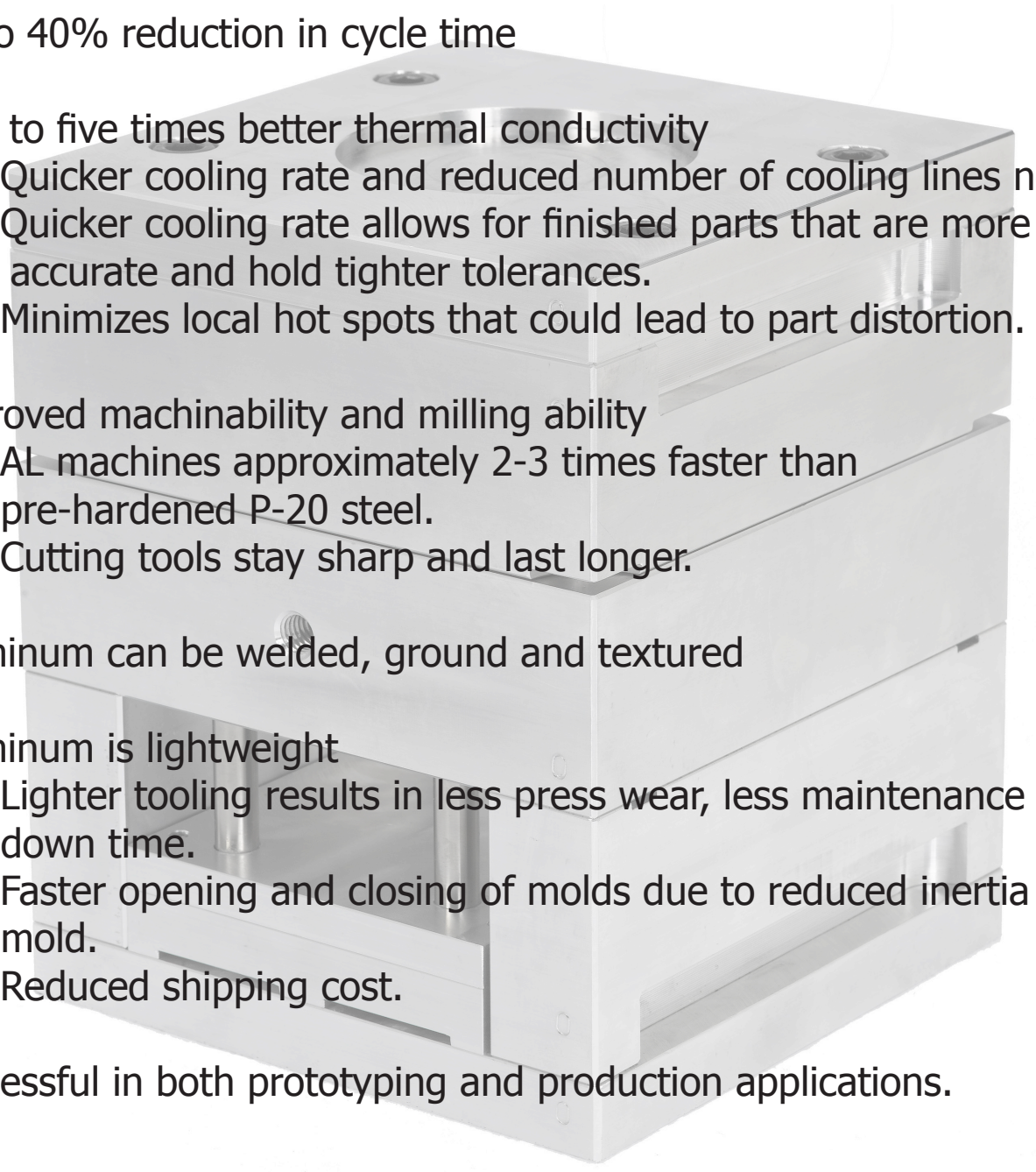
Why Aluminum?

Benefits of Aluminum



- Up to 40% reduction in cycle time

- Four to five times better thermal conductivity
  - Quicker cooling rate and reduced number of cooling lines needed.
  - Quicker cooling rate allows for finished parts that are more accurate and hold tighter tolerances.
  - Minimizes local hot spots that could lead to part distortion.

- Improved machinability and milling ability
  - AL machines approximately 2-3 times faster than pre-hardened P-20 steel.
  - Cutting tools stay sharp and last longer.

- Aluminum can be welded, ground and textured

- Aluminum is lightweight
  - Lighter tooling results in less press wear, less maintenance and down time.
  - Faster opening and closing of molds due to reduced inertia in the mold.
  - Reduced shipping cost.

- Successful in both prototyping and production applications.

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