



Turn To The Industry Experts

YOUR RELIABLE MOLD BASE PARTNER

- Standard Mold Base
- Rapid Mold Base
- Special Mold Base
- F.I.T.S.
- Mold Plate

*Providing Mold Solutions for the
Plastics and Die-Casting
Industries for over 50 years.*



MOLD BASE OPTIONS

CAPABILITIES & GUIDELINES

PCS Company offers competitive pricing for each Mold Base option. All bases are produced to Industry Standard Tolerances, in climate control facilities and on state of the art equipment.



	STANDARD MOLD BASE	RAPID MOLD BASE	SPECIAL MOLD BASE
PRODUCT DESCRIPTION	Order in-stock Standard Mold Bases, ready for customer machining.	Order a Configurable PCS Standard Mold Base with standard feature relocations and omissions. This is based on only what is available in a PCS Standard Mold Base, no additions or substitutions.	Order a custom designed Mold Base fully machined to your specifications. Large Mold Bases and non-standard sizes quoted through our partner, LKM. LKM [®]
SIZES AVAILABLE	32 Standard Sizes from 7-7/8" x 7-7/8" - 23-3/4" x 35-1/2"	32 Standard Sizes from 7-7/8" x 7-7/8" - 23-3/4" x 35-1/2"	PCS: Up to 23-3/4" x 35-1/2" LKM: Up to 142" x 157"
PLATE THICKNESSES	9 Thicknesses from 7/8" - 5-7/8"	9 Thicknesses from 7/8" - 5-7/8"	PCS: Up to 5-7/8" LKM: Up to 28"
SERIES AVAILABLE	A Series, B Series, T Series, AX Series, 5X Plate Stripper Series, 6X Plate Stripper Series	A Series, B Series	Custom
MACHINED FEATURES OFFERED	(Fixed) Assembly Screws, Center Holes, Guided Ejection, Leader Pins & Bushings, Return Pins, Stop Disk in Ejector Plate	(Relocations & Omissions Only) Assembly Screws, Center Holes, Guided Ejection, Leader Pins & Bushings, Return Pins, Stop Disk in Ejector Plate	Pocket Work, Drilling, Slotting, and Advanced Custom Machining to your custom CAD file. 3D Rough Contour Machining available through LKM.
MATERIALS OFFERED	#3 P20 Steel, #7 420 Stainless Steel (limited sizes), Aluminum	#3 P20 Steel, #7 420 Stainless Steel (limited sizes)	#3 P20 Steel, #7 420 Stainless Steel, 1045, H13, NAK55, NAK80
LEAD TIME	Ships Next Business Day, Based on Series and Availability	Quote in 1 Business Day, Ships within 5 Business Days	PCS: Ships in as little 5 Business Days LKM: Express Shipping Available



**CONFIGURE OR
REQUEST A QUOTE**

WWW.PCS-COMPANY.COM/MOLD-BASE

SPECIAL MOLD BASE MACHINING

CAPABILITIES & GUIDELINES

PCS Company machines to 3D CAD files and follow Quality ISO9001:2015 guideline. CMM Reports included with each Mold Base.



POCKET WORK

Rough or Finished - Blind & Through - Milled or Wire EDM Machining



MACHINE ALL COMMON MOLD FEATURES INCLUDING, BUT NOT LIMITED TO:

CAVITY & CORE INSERT POCKETS

MILLED OR WIRE EDM

Length & Width:
(+ 0.001" / - 0.001")

Depth:
(+ 0.001" / - 0.001")
Measured from Parting Line

DESIGN GUIDELINES

MILLED OR WIRE EDM

Pocket Depths:
<3.000" will have a min.
.312" Corner Radii with
.030 Radii at the floor.

Pocket Depths:
>3.000" will have a min.
.500" Corner Radii with
.030 Radii at the floor.

Insert pockets are left sharp at Parting Line unless showing in CAD model and/or requested in writing.



BORED

Diameter:
(+ 0.0005" / - 0.0005")

BORED

Diameter Range:
2.000" - 8.000"
Max Depth: 8.000"

SLIDE & HEEL BLOCK POCKETS

MILLED

Length & Width:
(+ 0.001" / - 0.001")
Depth:
(+ 0.001" / - 0.001")

MILLED

Length & Width:
Nominal
Depth: Nominal



SPRING POCKETS

General Fit

MILLED

Length & Width:
Nominal

ALIGNMENT LOCK POCKETS

Machined to Fit & Installed

Depth: Nominal

All Feature edges will be broken and or chamfered.



DRILLING

- Angle Pin Holes
- Ejector & Core Pin Holes
- Hoist Ring / Eyebolt Holes
- Guided Ejection
- Knockout Holes
- Leader Pin Holes
- Return Pin Holes
- Spring Return Holes
- Stripper Bolts
- Support Pillar Clearance
- Waterlines / Pipe Clearance (Depth: Up to 30")

ADVANCED CUSTOM MACHINING

- Finished Bored Holes
- Secondary & Reversed Leader Pins
- Hot Half & Manifolds
- Parting Line Relief / Vent Runners
- Finished Tapered Pockets

SLOTTING

- Clamp Slots
- Pry Bar Slots
- Wire Slots

ADDITIONAL CAPABILITIES

- Saw Cut
- Grinding

STANDARD F.I.T.S.

ALTERNATIVE TOOLING SOLUTIONS

Reduce machine downtime with a more cost effective approach to injection molding. F.I.T.S. (Fast Interchangeable Tooling System) replaces the need for standard mold bases by utilizing a frame and interchangeable inserts. *Imperial sizes only.*

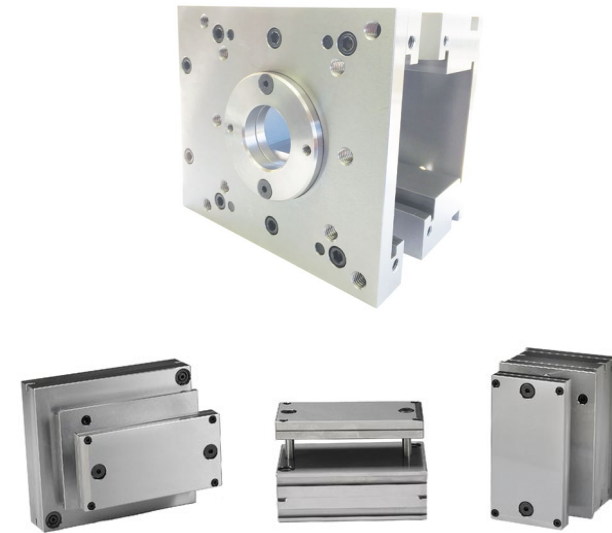
- Compatible with MUD[®] System and RTI System[®]
- Quick Mold Change Ability
- Standard F.I.T.S. Components & F.I.T.S. Plates readily available
- A&B Plates #3 P20 Steel, Others are #2 Steel

F.I.T.S. U-FRAME

Houses our F.I.T.S. Insert Series and allows flexibility to use various insert styles for various part design and production.

Sizes Available:

5 Sizes Available, 5" x 8" (08/09) - 7" x 12-7/8" (10/14)



Ships Next Business Day, Based on Availability

F.I.T.S. INSERTS

Designed for use inside our F.I.T.S. U-Frame and allows for rapid interchangeability. Various insert styles and sizes available in both standard inserts and plus series inserts. F.I.T.S. Plus Series Inserts offer more stability, these inserts are great for higher volume runs and higher molding pressure.

Solid Style Inserts are excellent for blind pockets or for machining a part shape directly in a solid plate.

Sizes Available:

5 Sizes Available, 5" x 8" (08/09) - 7" x 12-7/8" (10/14)

Laminated Style Inserts are excellent for through pocket inserts.

Sizes Available:

5 Sizes Available, 5" x 8" (08/09) - 7" x 12-7/8" (10/14)

T-Style Inserts are an excellent choice for larger area parts and blind pockets.

Sizes Available:

3 Sizes Available, 5" x 8" (08/09) - 8.4" x 9" (84/90)

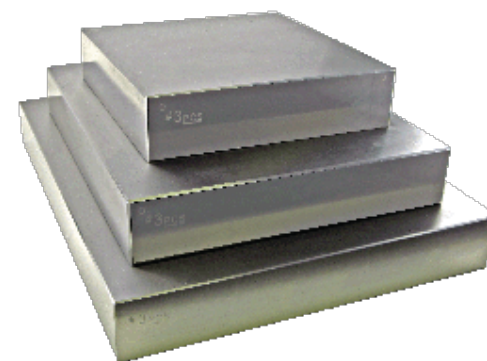
Ships Next Business Day, Based on Availability

FINISHED GROUND BLANK PLATES

Order blank mold plates for your own machining or order blank plates built and machined to your specifications.

Plate Tolerances

- Length & Width (+ 0.003" / - 0.003")
- Thickness (+ 0.001 / - 0.001")
- Parallelism (0.001" / 8.000")



Ships Next Business Day

FULLY MACHINED STANDARD MOLD BASE REPLACEMENT PLATES

Order replacement mold plates for your existing mold base; any plate, any series.

Plate Options & Tolerances

A, AX, B, BX, Bottom Clamp, Support, Top Clamp, XP

- Length & Width (+ 0.003" / - 0.003")
- Thickness (+ 0.001 / - 0.001")
- Parallelism (0.001" / 8.000")

Ejector Retainer and Ejector

- Length & Width (+ 0.000 / - 0.015")
- Thickness (+ 0.004 / - 0.004")
- Parallelism (0.001" / 8.000")

Rails / C Dimension

- Length & Width (+ 0.000 / - 0.004")
- Thickness (+ 0.001 / - 0.001")

Ships within 1-3 Business Days

MOLD PLATES

ALTERNATIVE TOOLING SOLUTIONS

Order blank or machined replacement mold plates, these precision ground plates are available for fast shipping. *Imperial sizes only.*

Sizes Available:

32 Standard Sizes, 7-7/8" x 7-7/8" - 23-3/4" x 35-1/2"

Plate Thickness:

9 Thicknesses from 5-7/8"

Materials Offered:

#3 P20 Steel, #7 420 Stainless Steel (limited sizes available)

WE ARE THE

INDUSTRY EXPERTS

We're here for you and your needs. For over 50 years we have been building relationships and producing customer-oriented results. Let us know how we can best service you!



CUSTOMER SERVICE EXCELLENCE

Trained experts are ready to assist with your product needs.



KNOWLEDGEABLE SALES TEAM

We're solution providers and have product and industry knowledge to assist in your success.



QUALITY PRODUCTS

Our products are made to industry standards and specifications. We have extensive product lines and are a one-stop-shop for all of your mold making and molding supply needs.



COMPETITIVE PRICING

We offer the best value for your product and service needs. Give us a try and see the difference!



ON-TIME DELIVERY

We focus on delivery times to help achieve your business demands.



PCS COMPANY HAS BEEN PROVIDING SOLUTIONS FOR THE PLASTICS & DIE CASTING INDUSTRIES FOR OVER 50 YEARS

- Mold Base
- Mold Components
- Molding Solutions
- Hot Runner Products
- Cutting Tools



CONTACT INFO

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