



***Western Quality @  
Pricing That Works***

[www.JadeMolds.com](http://www.JadeMolds.com)

# Jade Group INTL

Wisconsin based Jade Group international, LLC (**Jade Molds**), was founded in 2006 by **Patrick Smith** with a simple goal in mind. To deliver Western quality injection mold making solutions, at China level prices, to Western injection molders so that they can compete with and beat China on injection mold part production jobs.

Core services that we offer in the USA, China, and India include:

- **Injection Mold Making** (production and rapid tooling)
- **Part Production** (injection molding, CNC machining, sheet metal)
- **Engineering** (mold and part design, DFMPPro and Moldex3D)
- **Rapid Prototyping** (rapid tooling, CNC machining, sheet metal)
- **Product Development** (we help entrepreneurs launch)
- **Product Sales and Distribution** (Amazon and fulfillment)

Our Western engineers qualify all part and mold designs before our Western team living in China hands-on micromanage every mold build project and every production run to ensure success. With native English communication from start to finish on your project.



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# Jade Group INTL Insights

## Jade Locations



Jade Group International  
West Bend, Wisconsin, USA



Jade Molds  
Zhongshan, China



Jade Molds - Automotive  
Zhongshan, China

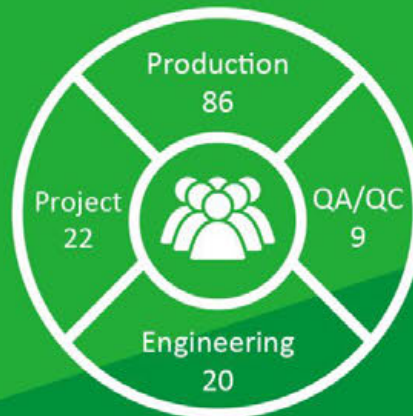


Jade Prototype  
Zhongshan, China



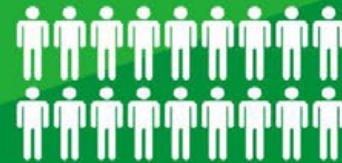
JadeMolds & Tech Solutions India  
Punjab, India

## Jade Molds Factory



2010 - 2.6 Million USD  
2013 - 4.1 Million USD  
2017 - 6.2 Million USD  
2020 - 7.4 Million USD

## Mold Projects 2006 - 2020



Tooling Customers - 480 +



Injection Molds Built - 3800 +



95%

On-Time  
Mold Delivery



96%

Mold Runs Smooth  
@ Customer Factory



10

Countries Shipped  
2020

# Jade History & Future

Founded Jade Group  
Wisconsin based  
China based  
2006

Moved to larger factory  
Added in-house injection molding  
Exported 1000th mold  
2013

Expanded to 55,000 sq ft  
Added 1100 T injection press  
Doubled mold making capacity  
2019

NEW VP Engineering  
10 NEW presses & 59,000 sq ft  
NEW CNCs + EDMs + more  
2020

Opened tooling factory  
Zhongshan 25,000 sq ft  
2010

Moved to current factory  
35,000 sq ft  
2017

Opened JadeMolds India  
Engineering + Production  
2019

JGI Product Distribution  
JGI Amazon  
2021

# Jade Molds Quick View

- MOLD MAKING:** High production molds, rapid tooling, and more
- INJECTION MOLDED PARTS:** Low - high volume injection part production
- SAVINGS:** Great mold and part price keeps you globally competitive
- EXPERTISE:** Western engineer mold designs + DFMPPro and Moldex3D
- EXPERIENCE:** Western mold makers and Western PMs in China
- COMMUNICATION:** Native English from start to finish
- CAPACITY:** New engineers, 10 new presses + expanded factory in 2020
- FACTORY:** Western managed **ISO 9001:2015** China factory (59,000 sq ft)
- QA/QC:** Western hands-on quality control inspections and mold trials
- BONUS SAVINGS:** Save up to 50% off tariffs (legally) - Ask us how
- TRUST:** You work with Jade Group INTL, a USA company founded in 2006



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*The Jade offshore  
mold making way*

*Western engineers  
using DFMPPro and  
Moldex3D qualify  
your part design*

*Western engineers  
using DFMPPro and  
Moldex3D qualify  
our mold design*

*Result: Jade molds run  
smooth and at speed in  
your factory...you pay  
China level pricing*

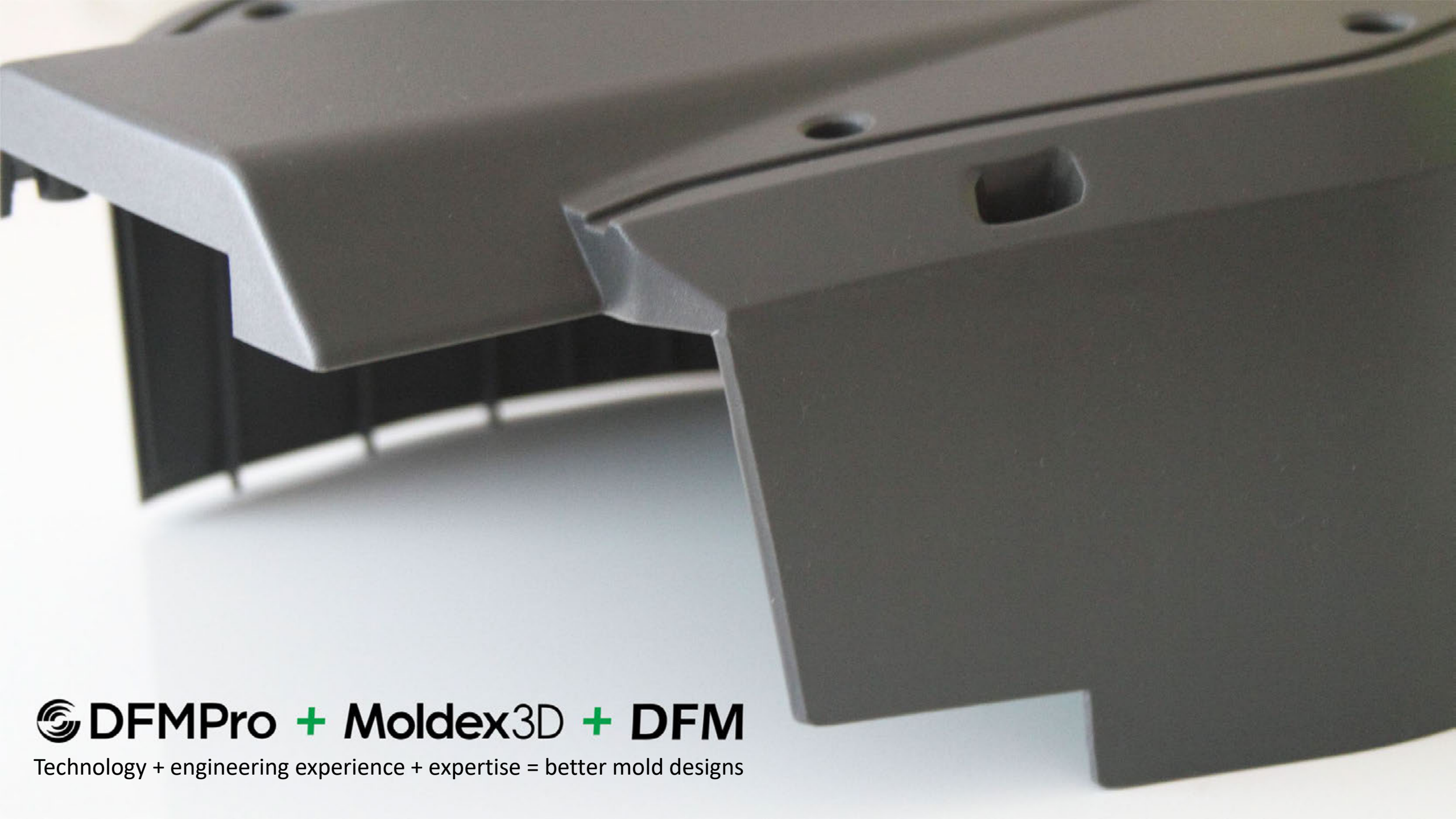


*Western hands-on  
micromanagement of  
your mold build on  
our factory floor*

*Westerners run your  
mold trials to ensure  
your specific project  
goals are realized*

*QC throughout your  
mold build is run by  
our Western team  
living in China*

*All project updates  
are communicated to  
you by native English  
speaking PMs*



 **DFMPro** + **Moldex3D** + **DFM**

Technology + engineering experience + expertise = better mold designs

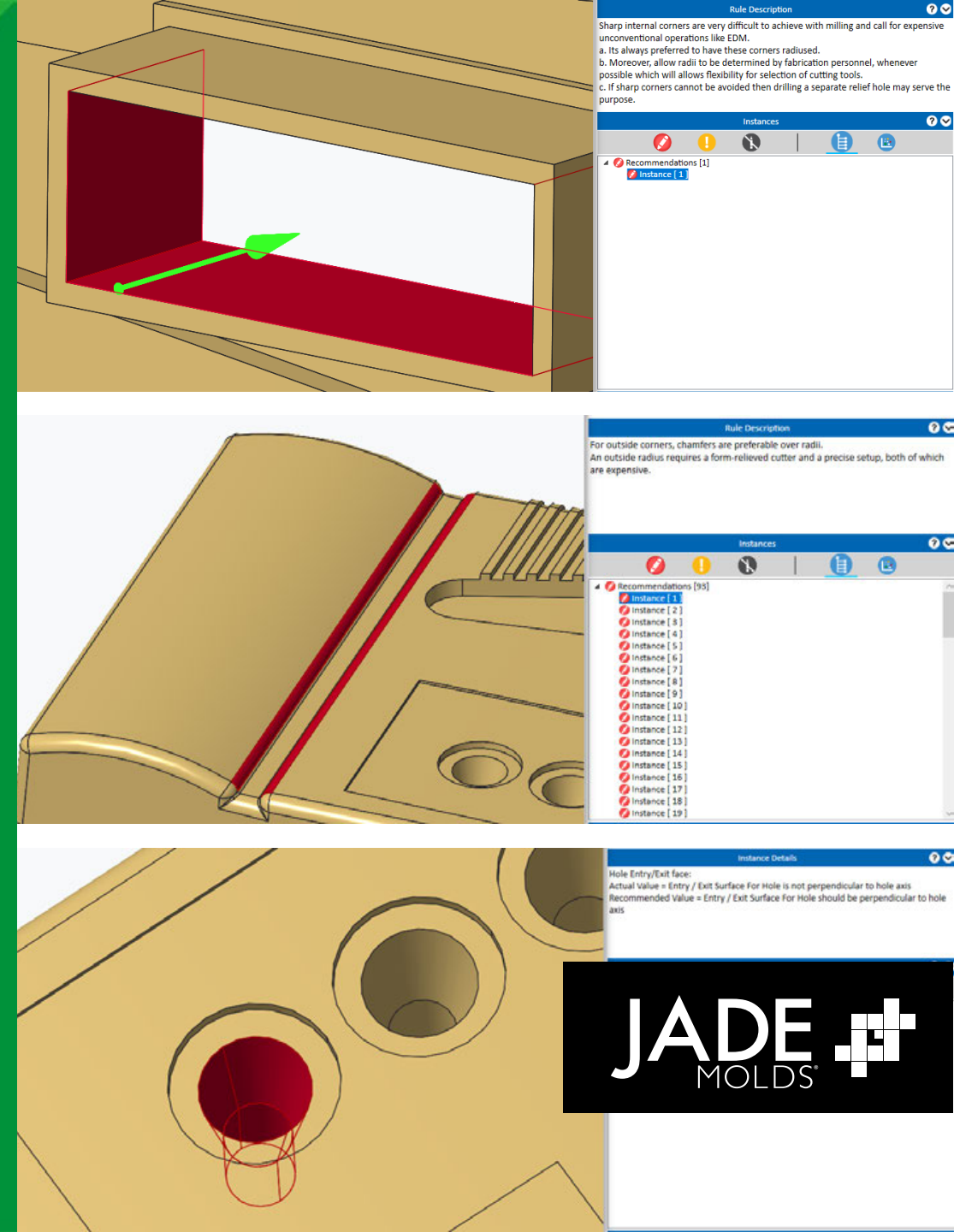
# DFMPro

For better results our engineering teams use first-in-class software (DFMPro and Moldex3D) to highly qualify your part designs and our mold designs. These engineering assists help us to create highly qualified mold designs that dramatically mitigate your future risk.

DFMPro is a fantastic tool that allows our engineering team to quickly identify any initial part design issue(s) and point them out to you fast so you can fix them, or we can quickly fix them for you. This use of technology throughout the design evaluation process helps us help you quickly finalize and validate your part design(s).

By using first-in-class software solutions like DFMPro that speeds up your part design validation process our team has extra time to do a deeper engineering DFM analysis that delivers many experienced based DFM insights that technology alone cannot address.

DFMPro is used on all injection molding projects at Jade and on all rapid prototype manufacturing projects. Including CNC machined parts, 3D printed parts, vacuum cast parts, and sheet metal parts.



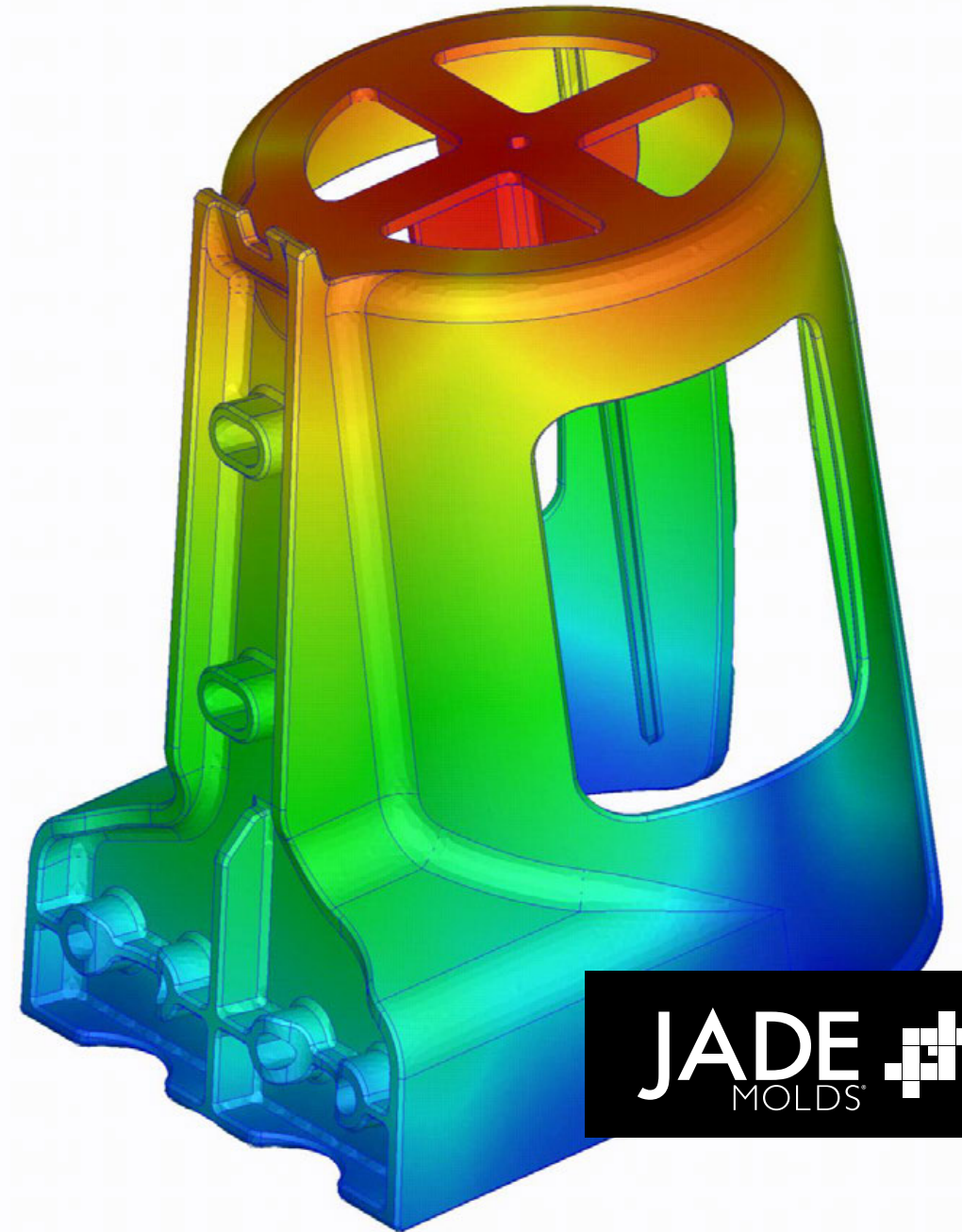
# Moldex3D

Leverage Moldex3D well and it acts like a virtual time machine that takes you to your future mold trial, identifies unknown future problems now, and let's you fix those problems long before you ever consider cutting tool steel.

That is our approach, leverage Moldex3D to its fullest capability to help mitigate future risk via highly accurate simulation analyses like mold flow, pack, cooling, surface defects, and warp. The results for our customers are highly accurate injection mold designs that will perform as predicted when built.

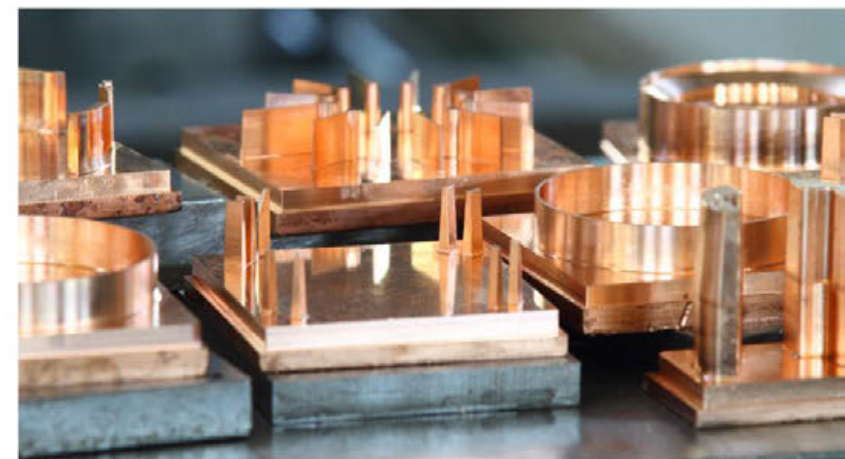
With Moldex3D we have also invested in the skilled engineers plus computing infrastructure and power required to leverage Moldex3D well. The results are good, Moldex3D has assisted our engineers in identifying hard to know problem areas many times, enabling them to help our clients avoid hard to know downstream issues.

Get better mold designs, great mold builds, and quicker mold trials with Jade Molds and Moldex3D.



# Mold Making Capabilities Include

- > High production molds
- > General purpose molds
- > Automotive molds
- > Pet treat molds
- > Rapid Tooling
- > Stack molds
- > Mold bases
- > Hot runner specialists
- > Caps & closure molds
- > Unscrewing molds
- > Medical Molds
- > Overmolding
- > Family molds
- > 2K molds
- > DFMPPro & Moldex3D
- > Thermoset molds
- > Scientific molds
- > Molds for PEEK
- > Silicon molds
- > Insert molds
- > and more...



# Western Mold Makers in China

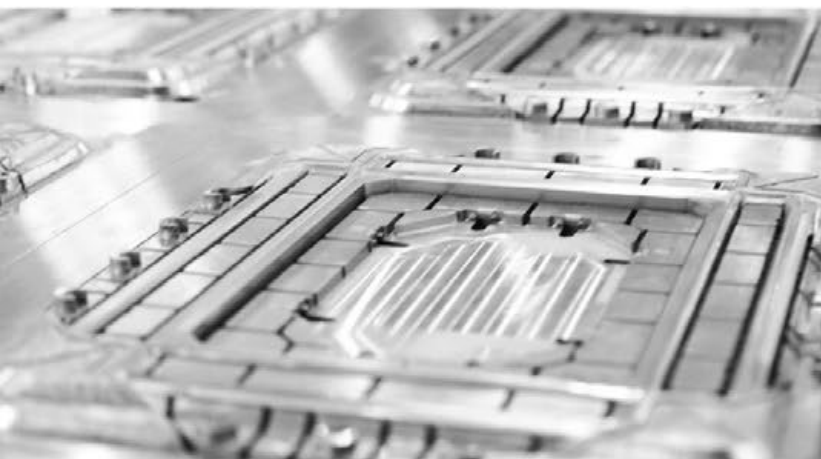
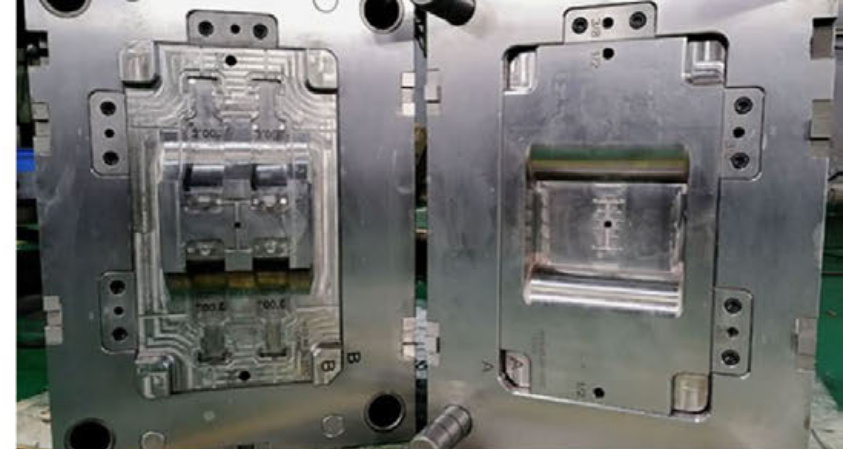
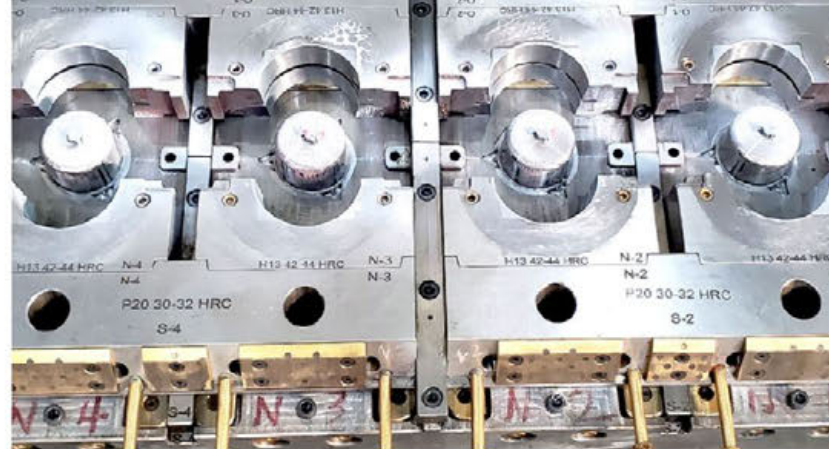
At the heart of our business model is our Western approach to mold making and manufacturing in China. This includes: Western engineering and Western mold making methodology. Plus, Westerners living in China who hands-on micromanage every project at the factory.

- Focus on Western engineering and mold designs
- Focus on Western quality at China price points
- Focus on Western mold builders living & working in China
- Focus on Western QA/QC and Western run mold trials in China
- Focus on Western project managers living in China
- Focus on native English communication at all project stages

As Westerners, we instinctively understand your project needs and the market pressures you are facing. This understanding uniquely positions us as an offshore mold making partner who will deliver you quality and project success consistently. Success at great price points that work.



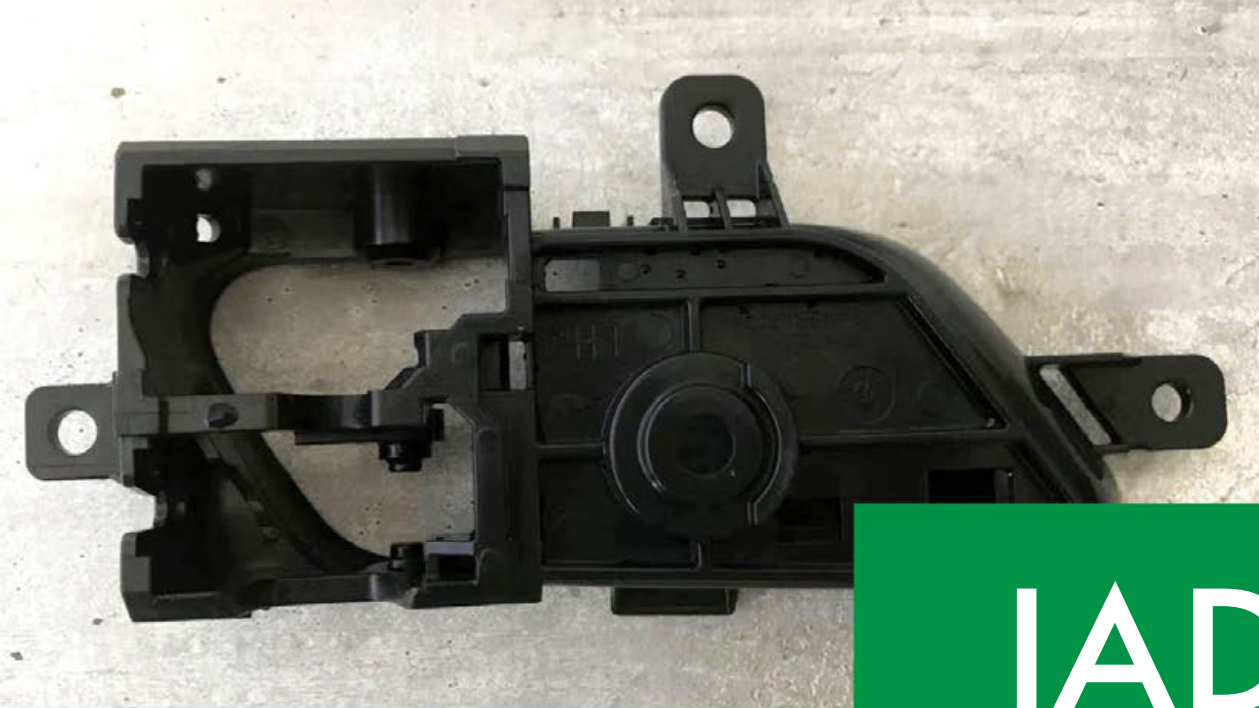
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# Core Equipment List

Equipment Name	Brand	Unit Type	QTY
CMM	SEREIN	CROMA686	1
Projector	VMS	VMS-4030T	1
CNC	Pollex Machine	850	2
CNC	Pollex Machine	1060	2
CNC	Pollex Machine	1580	2
CNC	Pollex Machine	5060	2
CNC	Pollex Machine	6070	2
EDM	GOOD CENTURY TECHNOLOGY	540	3
EDM	GOOD CENTURY TECHNOLOGY	435	3
EDM	GOOD CENTURY TECHNOLOGY	540 Mirror Finish	2
EDM	GOOD CENTURY TECHNOLOGY	850 Mirror finish 3 Axis	2
Milling	HUADAAI	540	10
Drilling	HUADAAI	800	2
Grinding	HUADAAI	430	5
Grinding	HUADAAI	280	5
Lathe	YUENING NC MACHINE	C616	2

Equipment Name	Brand	Unit Type	QTY
Crane	YUE YOU	10 Ton	4
Crane	YUE YOU	3 Ton	5
Injection Press	CAN YANG	Vertical (50T)	1
Injection Press	CHENTN ENGINE	80T	1
Injection Press	CHENTN ENGINE	100T	2
Injection Press	CHENTN ENGINE	120T	2
Injection Press	CHEN DE PLASTICS MACHINERY	158T	3
Injection Press	Hai Teng Machinery	160T	3
Injection Press	CHEN DE PLASTICS MACHINERY	180T	1
Injection Press	Hai Teng Machinery	208T	4
Injection Press	Hai Teng Machinery	258T	2
Injection Press	Hai Teng Machinery	328T	2
Injection Press	POTENZA	450T	1
Injection Press	Hai Teng Machinery	1100T	1



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# Automotive Molds

As Westerners, we fully understand how your automotive injection mold timelines directly relate to keeping your project and vehicle launch programs on schedule. We can help you launch on time.

At our **ISO and IATF accredited** China facilities our Western mold making methodology paired with our Western managers hands-on approach on the factory floor help to ensure your mold meets spec, trials well, ships on time, and works well right out of the shipping crate, in the specific press at your factory that you need it to work in.

When molds are larger in size and more complex in design (auto mold traits), the price goes up and the risk goes up. You simply cannot fail on automotive molds as the knock-on effects are enormous. So, how does Jade approach bigger molds and more complex projects?

1. **Heavy use of DFMPPro and Moldex3D:** We leverage both to their full potential to assist our engineers in qualifying your part design and our mold design to vastly mitigate future risk.
2. **Native English Communication:** With project complexity comes the need for crystal clear communication. Every KEY engineer and manager on our team speaks native English.
3. **Quality Control:** Who inspects your offshore mold? Our Western team in China. Who runs your mold trial? Same answer.

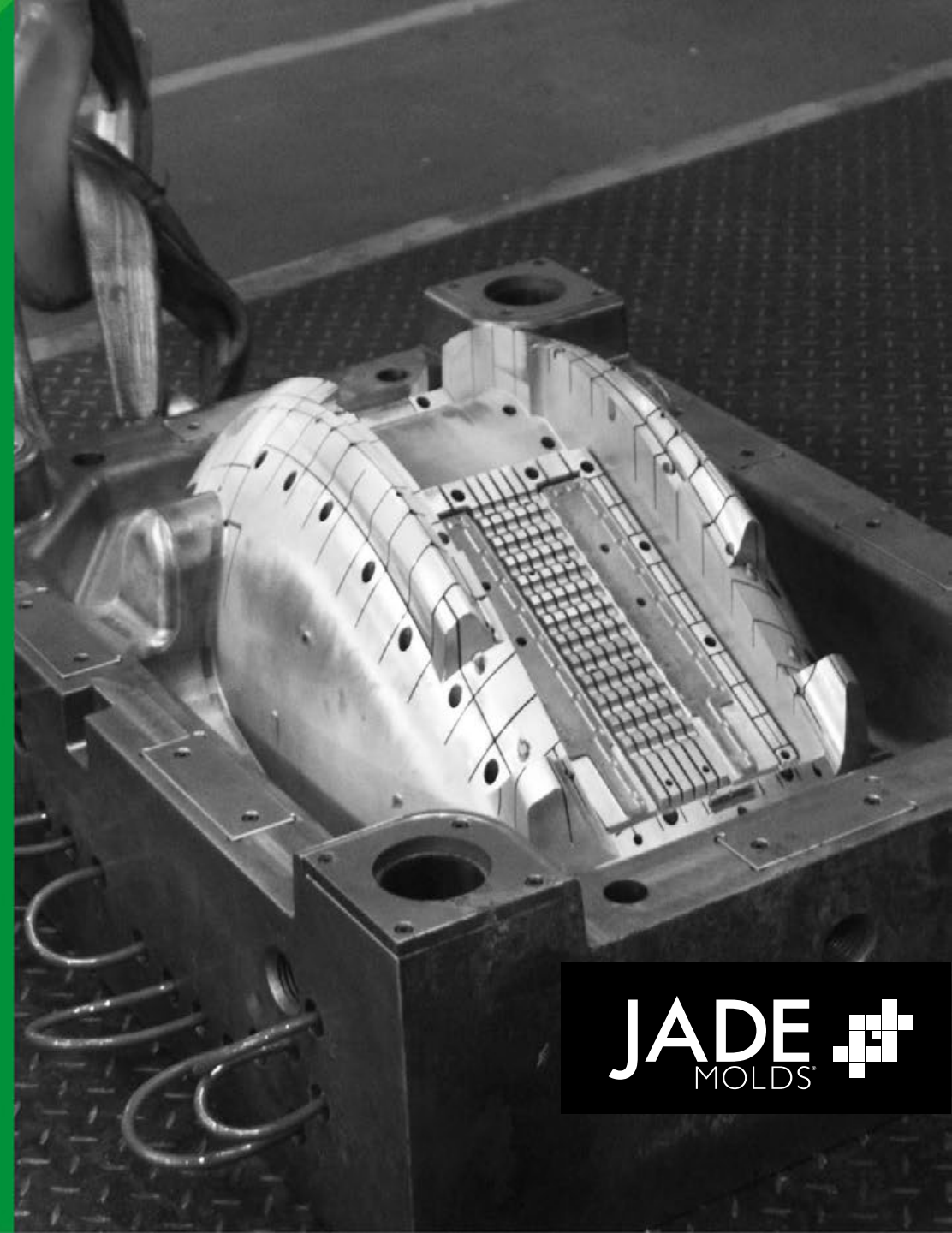


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# Automotive Equipment List Includes

Type	Model	Precision	QTY
High Speed CNC (Taiwan)	VC0852	3-5μm	1
High Speed CNC (Taiwan)	VC1052	3-5μm	1
Med Speed CNC (Taiwan)	2016	3-5μm	1
5 Axis Machining	2516	2-5μm	1
Carving (Taiwan)	V650	2-3μm	2
EDW (Japan)	AQ750L/AQ600L	2-3μm	3
EDM	CNC850	3-5μm	2
EDM (Taiwan)	CNC1800	3-5μm	1
EDM (Taiwan)	ZNZ460/345	3-5μm	2
Grinding (Taiwan)	HSG_618S	1-3μm	5
Milling (Taiwan)	XG5513/XG5515	10-30μm	3
Spotting Press	NC70-1007/NC400	—	2
2.5D Measuring	YT-3020M	2-3μm	1
CMM (Germany)	NC8107-C	1-2μm	1



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# Rapid Tooling (with great ROI)

We work with P20 tool steel (and similar steel) to fabricate your rapid injection molds because of the added value to you...double the parts or more at half the cost compare to rapid tooling programs in the West. With our focus on Western quality at China price points you will get a fantastic ROI on your rapid tooling project with Jade Molds.

- Quick turnaround molds + parts that match high production parts
- Our steel rapid tools deliver more parts than you are used to
- Our rapid tooling programs deliver you a much better ROI
- Complicated part designs are not a problem for our rapid tools
- Pricing and timing that you will be pleasantly surprised by

Get to the market faster, get to revenue faster, and get a better ROI with Jade's rapid tooling programs.

[info@JadeMolds.com](mailto:info@JadeMolds.com) to discuss your project needs.



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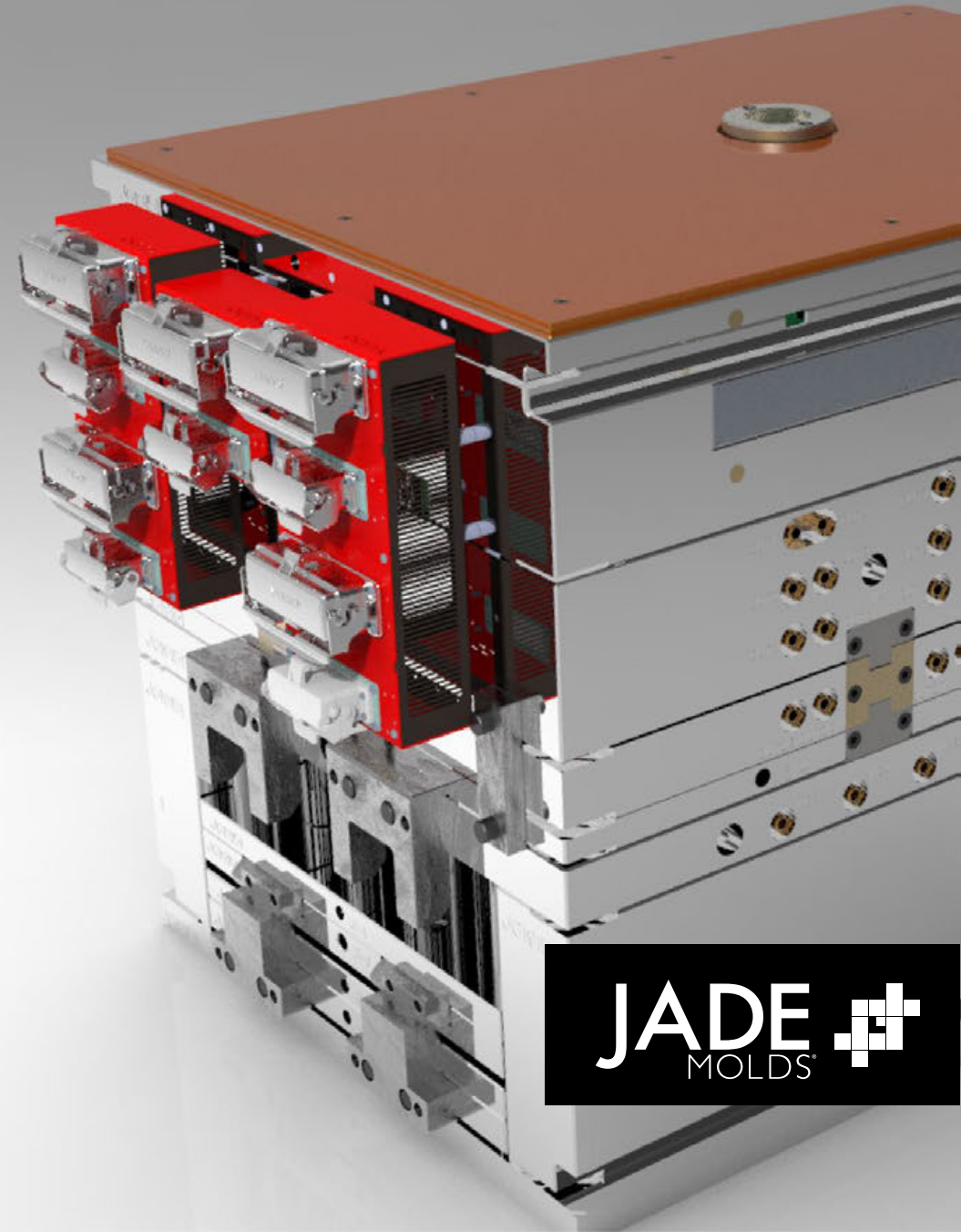
# Custom Mold Bases

Ask yourself this. Why are your skilled mold builders spending time fabricating mold bases? Keep your skilled team focused on skilled injection mold building tasks. Try our complete mold base solutions and stay globally competitive.

What are your options for building mold bases?

1. Buy blanks from domestic mold base suppliers and build your mold base in-house (inefficient and expensive).
2. Buy completely machined mold bases from domestic mold base suppliers (efficient and expensive).
3. ***Buy completely machined custom offshore mold bases from Jade Molds (efficient and inexpensive).***

Outsource where it makes sense. In-house build where it makes sense. [info@JadeMolds.com](mailto:info@JadeMolds.com) to discuss your project needs.



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# Interesting Applications

## Do you have an interesting application for injection molding?

Something you may not have considered before? How about starch based Pet Treats? Our high capacity, high cavitation molds for dog treats are typically 50% cheaper than USA built injection molds and will still meet your needs with feature sets such as:

1. Stainless steel A and B plates
2. Diffusion bonded hot runner system, superior to brazed for cleanliness
3. Full stainless steel manifold. Superior to brazed P20 steel manifolds
4. Low waste, full individual valve gates
5. Up to 96 cavities, high productivity
6. Complex designs with side actions are no problem
7. Mold trials in a range of standard treat formulations

**Pet treat molds are one example of how our team of engineers and mold makers are well versed in a diverse range of injection molding applications. How can we help you?**

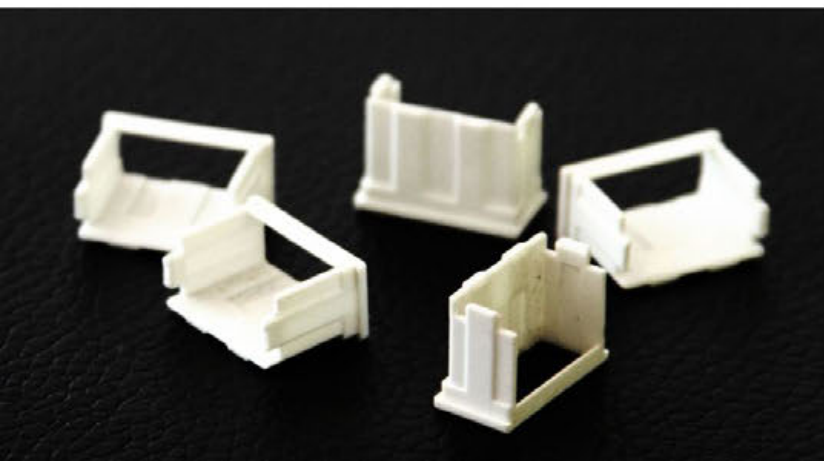
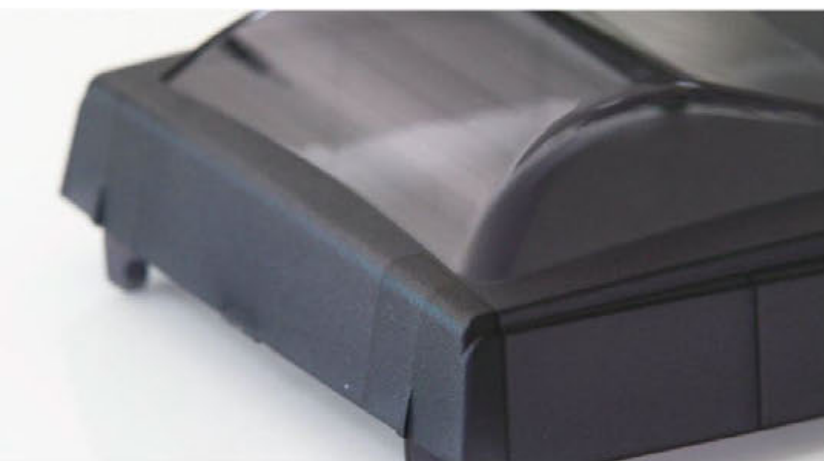


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**Injection Molding Part Production**  
**40T to 1100T | 10 NEW Presses in 2020 (29 Total)**  
**How can we help you?**

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## **CNC Machining (prototype & production)**

For robust prototype parts and production parts CNC machining is a fantastic no tooling option. For products that we develop internally, a CNC machined prototype part is our preferred rapid prototype option because the strength of the part (compare to 3D printed parts) gives more accurate testing, evaluating, and design validation results. Plus, great evaluation of the aesthetic looks and feel of any surface finish.

Get in touch with our team if you have prototype or production needs for CNC machined parts. Great price. Great quality. Many options.

## **Sheet Metal Work (prototype & production)**

When it comes to sheet metal fabrication: CNC laser cutting, CNC punching, CNC folding, stamping, welding, drilling, tapping, and wire cutting, we use all these capabilities and more to make your parts.

Cabinets, enclosures, housings, chassis, brackets, consoles, shelving, racks, are all examples of the kind of sheet metal projects that Jade delivers on. Contact our Western project team to learn more about sheet metal at Jade.

Prototype or production parts...how can we help you?



## Shipping

You may have your own shipping option and that is fine. But before you ship talk to us. We have shipped thousands of molds and parts all over the world since 2006. We have great options for you. Plus, if you use our DDP shipping option for shipping to the USA you can save up to 50% off your import tariffs, legally.

## Asset Management

While a big portion of our business is making and exporting molds to the West, we also offer turnkey injection mold part production, where we make your mold, make your parts, and store your mold in China. A great option for entrepreneurs. A great option for injection molders who use rapid tooling for design verification or for bridge production.

## Data Security

Data security is critically important in the era we live in. Do you trust your offshore mold maker and manufacturer with your data? If so, you should seriously ask yourself...**why?** At Jade, our Western IT managers use AES encryption methods for storing and transferring data, adhere to industry standard best practices, and limit internal access to data to a need-to-know basis. We protect your IP data.





## HIGH TARIFF CASE STUDY

*This price comparison example is from a real-world RFQ and mold build. Our USA based customer provided competitor quote details to us after we had won the job. (adjusted for 28.1% tariff)*

\* Quote without shipping & tariff

\*\* Your final cost with shipping & tariff

\*\*\* Your final reduced cost with Jade Molds  
LEGAL DDP shipping/import program  
which equals substantial tariff savings

+ Full Moldex Level 3 including filling,  
packing, cooling & warpage

++ USA based engineering followed up by  
Westerners living in China

**Save big with Jade Molds during high tariff times**

USA Mold Builder	JADE MOLDS	Shenzhen Mold Builder
8 Cavity Mold \$150,640 Base Quote*	8 Cavity Mold \$75,750 Base Quote*	8 Cavity Mold \$78,050 Base Quote*
No Tariff	28.1% Tariff	28.1% Tariff
DFMPro - Basic DFM	DFMPro - Included	DFMPro - Basic DFM
Moldex3D Level 3 - NO	Moldex3D Level 3 - Included <sup>+</sup>	Moldex3D Level 3 - NO
Western Engineering - Included	Western Engineering - Included <sup>++</sup>	Western Engineering - NO
Western Mold Builders - YES	Western Mold Builders - YES	Western Mold Builders - NO
Extra Cooling - \$\$\$	Extra Cooling - Included	Extra Cooling - NO
Venting Sub-Inserts - \$\$\$	Venting Sub-Inserts - Included	Venting Sub-Inserts - NO
Straight Lifters For Venting - \$\$\$	Straight Lifters For Venting - Included	Straight Lifters For Venting - NO
Western QC/QA - YES	Western QC/QA - YES	Western QC/QA - NO
Native English - YES	Native English - YES	Native English - NO
Shipping (USA Trucking) - \$680	Ocean Shipping - \$2200	Ocean Shipping - \$2200
NO TARIFFS	LEGAL TARIFF SAVINGS via Jade Molds DDP Shipping	NO LEGAL TARIFF SAVINGS
\$151,320 Delivered**	\$88,592 Delivered***	\$102,182 Delivered**

**Jade's DDP shipping delivers you substantial LEGAL tariff savings  
Plus overall great pricing that keeps you globally competitive**



**These are Email responses from China mold builders to the question...Can you help us to reduce the high 28.1% USA mold tariff?**

*We don't recommend trying the advice given by these China suppliers.*

*For a legal way to save BIG during high tariff times talk our team.*

*JadeMolds.com*

Hi Pat,

Ref the Tarif problem, our solution as below:

Devide the quotation to two parts :

- 1)Material cost: including the moldbase & steel ,We only put mold base & steel cost on the quotation,
- 2)Design & machining &Testing cost : The hot runner system & design and manufacture cost , Etc we will put into the Mold Desgin & manufacture cost .

For example if the mold cost 100.000 \$, the material tariff will be 40% to be(100.000\*40%) 40,000\$ \*0.28 = 11.200\$ . The original was 3% which was 100,000\*.0.3= 3000\$.  
So total will be 8000\$ Extra tarrfic, if we devide it half and half, then you need to increase the mold price about 4% and we need to drop price also 4% .

So for the PO , You need to issue two , one is for Material and one is for design & manucture, we will use differen bank to seperate it

Thank you and best wishes,

Nancy

Glad to hear you back. Someone from your company ever asked me this question.

Our plan is like this. For example, the total value for one plastic injection mold is 100,000USD and you place 2 separate orders to Kuasu. One is 65,000USD for technical consulting & support (65% of the total value), and one is 35,000USD the mold build and materials (the rest 35%). Then you will pay for the tariff 35,000USD\*28.1%=9,835USD.

Let me know if you have any questions. And we would appreciate to receive your new RFQs!

Best regards,  
Christine

Hi Joe,

Thank you for the reply.

We have a suggestion as below:

Our payment terms is 40% down payment with PO, 30% after customer received T1 samples, 30% after approval and before mold shipment.

We can make a separete invoice for the first 40% payment as engineering/ modeling/design/mold flow series cost. Then the rest 60% will be the mold price, we can make it on the invoice as 50% down payment(actually it's for 30% T1 payment as above), and 50% after approval and before mold shipment(actually it's 30% of full payment).

We will make the 60% price value on the commercial invoice for your import customs clearance, please let us know your opinion. Thank you.

Best regards

**All answers are not true**

**All answers are illegal**

**All will cause import problems**

Hello Pat:

I am very happy to hear from you.  
When will you come to China this year?

Now we work with some USA customer as below way to reduce the tax.  
One mold with 2 orders  
order 1 for mold design cost.  
order 2 for mold cost with out mold design.  
You can write order 2 with very low price.  
The mold price are order 1+ order 2.  
What do you think?

Hi Patrick:

Thanks for your quickly response.  
There are 2 ways to reduce the tax.  
1:We can reduce of mold price.  
2:we can write the mold value lower than your order.

When will you come to China this year?

# Stay Globally Competitive & Beat Your Competition

**Jade Group INTL and Jade Molds** deliver Western quality injection molds to Western injection molders at the offshore price points they need to be able to compete globally and beat China on injection molding part price. So, they can win more part production jobs and grow their business. We also help entrepreneurs launch product successfully with turnkey injection mold part production solutions.

From a few parts delivered from a single rapid tool to highly complex, high volume, multiple injection mold packages, we will help you with the Western injection mold and part quality you need, at the price points the market demands, so that you can beat your competition.

**How do we do it?** Western engineering plus quality control on the ground in China with Westerners living in China who run the factory, run QC, and hands-on micromanage every critical aspect of each injection mold being made and each injection mold part production run. [info@JadeMolds.com](mailto:info@JadeMolds.com) to discuss your project needs.



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# How can we help you?

- Injection Mold Making (production molds)
- High Volume Injection Mold Part Production
- Rapid Tooling (low-volume molds)
- Low Volume Rapid Injection Mold Part Production
- Custom and Complete Mold Base Solutions
- Engineering (part and mold design)
- Moldex3D and DFMPPro (a la carte)
- MIM (metal injection molding)
- Rapid Prototyping (CNC machining and sheet metal)
- High Volume Production (CNC machining and sheet metal)

Visit [www.JadeMolds.com](http://www.JadeMolds.com) to learn more or email [info@JadeMolds.com](mailto:info@JadeMolds.com) to start your project review. Thank you for your time.

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