Shanghai EverSkill M&E Co.,Ltd.

YOUR PARTNER FOR SUCCESS

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About EverSkill

expectations.

We believe that the best way to ensure our success is providing our customers consistent quality products in a timely fashion and at a fair



150 9001:2008

participants both internally and externally. The Strategic Coalition Team's mission is to identify and implement continuous improvements. These improvements add value and in turn these value-added benefits are passed onto you, our customer.

Pride, commitment, and experience are why you should make Everskill as your supplier on die

Quality driven people, dedicate to producing the best product through continuous improvement in communication, training, and service.

EverSkill dedicates to outstanding quality while being ever mindful of our environment. EverSkill is proud to have achieved ISO 9001:2008 Quality Management System Certification as part of a continuous improvement process and our dedication to exceeding our customers'

Shanghai EverSkill M&E Co.,Ltd.



























A zinc alloy die casting made from Zamak #3 or #5, or a zinc-aluminum alloy casting made from ZA-8 is made in the same general manner as an aluminum die casting. Molten metal is injected into a casting die under high pressure and at a controlled temperature. The metal is rapidly cooled until the solidified part is sufficiently rigid to permit ejection from the mold. The mold has two sections, the "cover" half and the "ejector" half. The die may also have additional moveable segments called slides or pulls, which are used to create features such as undercuts or holes, which are parallel to the parting line.

Zinc die casting dies are run in hot chamber die casting machines. These machines are operated at the required temperatures and pressures to produce a quality part to net-shape or near net-shape specifications. Zinc die castings can be readily machined, plated, painted, or powder coated.

Magnesium Die Casting

At 1.8g/cm3 magnesium is the lightest of all structural materials, the 8th most abundant element on earth and 100% recyclable. The benefits of using magnesium components in today are compelling. It's 75% lighter than steel, 33% lighter than aluminum, offers component and feature integration and provides a high dimensional stability that improves fit and finish.

Zinc / Magnesium Die Cating	Notes			
Weight factor comparison	a . Ib Alaminan			
ı lb. Zinc	o.4 lb. Aluminum			
Minimum desired wall stock	.03 in. min.			
Minimum desired draft	1/2° min. (per side)			
Die life in general	1,00,000 shots			



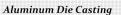












Aluminum die casting is a process where moleen aluminum alloy is injected into a casting die under high pressure and a controlled temperature. The most did not see occiois, the "cover' had and the "ejector "half. The die may alwa additional movable argaments called slides or pulls, which are used to create features such as undercuts or holes, which are restelled to the reartine life.

Aluminum die casting dies are nin in old chamber die casting machines. These machines are operated at the required temperatures and pressures to produce a quality part to net-shape or near net-shape specifications. Aluminum die castings can be readily machined, anodized, painted or powder coated.

Some of the more typical applications for aluminum die castings are: enclosures for the electronics industry, hand and power tools, hardware applications, pump parts, plumbing parts, parts for the automotive industries, sports and leisure, home anollances, and communications.

Aluminum Die Casting	Notes
Weight factor comparisons lb. Aluminum	a 1/a lb. Zinc
Minimum desired wall stock	.08 in. min.
Minimum desired draft	ı* min. (per side)
Die life in general	40,000 shots

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Die Casting VS. Other Processes

Die casting VS. Plastic injection molding

Die casting produces stronger parts with closer tolerances that have greater stability and durability. Die cast parts have greater resistance to temperature extremes and superior electrical properties.

Die casting VS. Sand & permanent castings

Die casting produces parts with thinner walls, closer dimensional limits, and smoother surfaces. Production is faster and labor costs ner die castine are lower. Finishing costs are also less.

Die casting VS. Forgings
Die casting produces more complex shapes with closer tolerances, thinner walls, and lower finishing costs.

Die casting VS. Stampings

Die casting produces complex shapes with variations possible in section thickness. One die casting may replace several stampings, resulting in reduced assembly time.

Die casting VS. Screw machine products

Die casting produces shapes that are difficult or impossible to produce from har or tubular stock, while maintaining exacting tolerances. Die casting requires fewer operations and reduces scrap.

Die casting VS. Machining Parts from Billets/Bar Stock

Producing parts from billets is a time consuming process that generates significant scrap...It also cuts the grain of the metal which can diminish the ultimate working strength of the machined part. In comparison, many die case partse can be produced in the same time it alses to machine parts from a billet, and considerably less scrap and water is produced. Die castings can also be produced with complex shapes not possible from machining, but made to the contract of the produced with complex shapes not possible from machining, but made to the contract of the strength, yet when the contract in the strength, yet made to the contract parts of the produced with complex shapes not passed to create high strength, yet

lightweight finished parts.

However you look at it, die castings are the smart money choice to improve the performance of your component

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or finished part.

Die-Casting Aluminum Material Standard

			Die-castin	ng Aluminiu	m Standard		
Series	Country	Grade		Standard			
series			Si	Cu	Mg	Fe	Standard
Al-Si	China	YLong	10.0-13.0	00.6	<0.05	0.1	GB/T15115-94
	Japan	ADCi	11.0-13.0	40.00	40.30	49.2	JISH530a-8a
	American	49	11.0-13.0	00.00	<0.35	43.0	ASTMB85-8:
	Russia	Ajıa	10.0-13.0	+0.6	<0.30	44	TOCT1685-8
	Germany	AlSia	11.0-13.5	49.1	<0.05	43.0	DIN ₁₇₂₅
Al-Si-Mg	China	YL104	8.0-10.5	100.3	0.17-0.3	0.0	GB/Ti-515-94
	Japan	ADC3	9.0-10.0	+0.6	0.40-0.60	43.3	JISH5302-82
	American	360	9.0-10.0	·0.6	0.40-0.60	42.0	ASTMINS-8:
	Russia	Alu	8.0-10.5	40.3	0.17-0.3	CL0	TOCT1685-8
	Germany	AlSiroMg	9.0-11.0	193	0.10-0.50	-100000	DINgas

0									
0000	0000000	i							
	0000000	Series	Country	Grade	8				Standard
	00.00				Si	Cu	Mg	Fe	Standard
4		ASI-Co	China	YLm	75'95	30-60	10.30	41.2	GB/T15105-94
	1000000			Ykırş	9.6-12.0	15:3:5	<0.30	41.3	
	0000000		Japan	ADCso	7-5-9-5	2.0-4.0	co.30	41.3	JISH5302-82
	_			ADCia	96-12.0	15:35	40.30	n3	
	1000000		American	350	7-5-9-5	30-40	<0.10	a)	ASTMB85-8a
	5000000			383	9.94.5	2.0-3.0	<0.10	41.3	
	000000		Russia	Als6	45-6.0	2.0-3.0	<0.10	ea3	TOCT2685-81
		00000000	Germany	AlSi8Cu ₃	7-5-9-5	2.0-3.5	co.jo	CLS GOOGG	DIN ₁₇₂₅
	00000	Al-Mg	China	YLso3	0.8-1.3	<0.10	45'55	413	GB/Tiştiş-94
	00000		Japan American	ADC ₅	<0.30	<0.30	40-85	a8000000	JISH5302-82
	00000			518	<0.35	<0.25	7.5-8.5	<1.8	ASTMB85-82

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JOIN US!



Key Partners

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"Satisfying Our Customers

Equals To Satisfy Ourselves"

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