



Dynacast Overview

Precision where it matters most.

Dynacast, a Form Technologies Company, is a leading global manufacturer of small engineered precision components utilizing proprietary multi-slide die casting technology and tooling techniques.

BRAND OVERVIEW



DIE CASTING

High pressure precision die casting

Zinc, Aluminum and Magnesium

Palm of your hand and smaller

Multi-slide technology and proprietary equipment



INVESTMENT CASTING

Precision engineered investment casting

150+ alloys used

Palm of your hand to a basketball

Continuous flow manufacturing, wax formulation,
mold drying



METAL INJECTION MOLDING

Metal Injection Molding

Stainless steel and custom blends

40g (0.09lbs) max. part weight

6-15 cycles per minute



GLOBAL DYNACAST OVERVIEW



DYNACAST OVERVIEW

21 facilities in 19 countries

Africa, Asia, Europe and North America

800+ machines

Ranging from 4T to 580T, A2, A3 and
Techmire 4x4, 6x6 and 8x8

IATF 16949 certified

Full list of certifications [here](#).

3 material offerings

Aluminum, magnesium and zinc

Multiple process capabilities

Hot and cold chamber, multi-slide and injected
metal assembly (IMA)

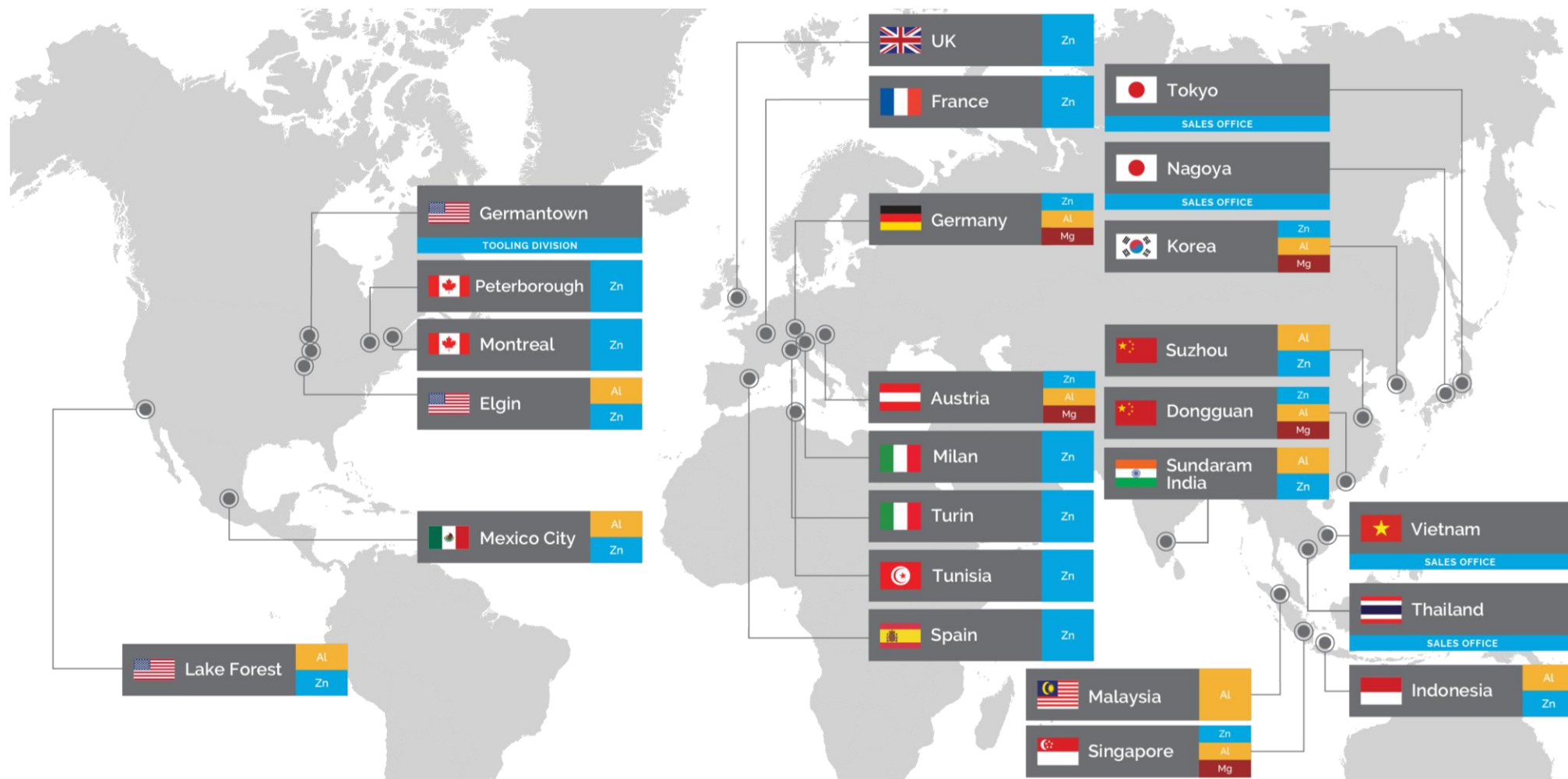
Secondary operations

CNC machining, sub-assembly, specialty coatings

90+ years of experience

Founded in 1929

DYNACAST ALLOYS BY LOCATION



ONE STOP SOLUTION



Development of
the multi-slide die
casting machines.



DFM



Tooling Design,
fabrication,
modification, and
maintenance



Mass Production



Secondary
Operations



Global
Presence/Solutions



DYNACAST ASIA-PACIFIC

7 facilities in 9 countries

China, South Korea, India, Indonesia, Malaysia, Singapore, plus sales offices

Multiple material capabilities

Aluminum, magnesium and zinc

IATF 16949 certified

Full list of certifications [here](#).

Machines and Certificates

			Dynacast Singapore	Dynacast Malaysia	Dynacast Indonesia	Dynacast Sundaram India	Dynacast Suzhou	Dynacast Dongguan	Dynacast Korea
Facility	Die Casting	ZN multi-slide	32 (A2) 10 (A3)			20 (A2)		15 (A2) 3 (A210) 1 (A3)	8 (A2) 7 (A3)
		ZN Con	1 (125T)		1 (90T) 3 (125T) 1 (200T) 1 (250T)	1 (40T) 5 (63T) 1 (75T)	1 (60T) 4 (80T) 3 (150T) 2 (250T)	3 (60T) 6 (80T) 6 (125T) 2 (250T)	2 (250T)
		Al	2 (135T)	3 (125T) 3 (250T) 10 (350T)	1 (135T) 1 (250T)	3 (125T) 1 (135T) 1 (250T) 5 (350T)	5 (135T) 2 (250T) 31 (350T) 4 (500T)	11 (135T) 9 (350T) 1 (650T+)	4 (125T) 2 (135T) 1 (250T) 1 (350T)
		Mg	1 (A3)					2 (60T) 1 (150T) 5 (350T)	
	Plastic							2 (100T)	
	CNC Machining			22	14		17	113	4
	Turning Machines			4				2	5
Certificates	ISO 9001		Certified	Certified	Certified	Certified	Certified	Certified	Certified
	ISO 14001		Certified				Certified	Certified	
	IATF 16949		Certified	Certified	Certified	Certified	Certified	Certified	Certified
	OHSAS 18001						Certified		

Suzhou

FOOTPRINT

16,262 m²

EMPLOYEES

700

TOOLING

Maintenance Only

30

Zn

Zamak 2
Zamak 3
Zamak 5
Zamak 7
Zamak 8

13

Al

ADC1
ADC12
AlSi9Cu3(Fe)
AlSi12Cu1(Fe)
AlSi12(Fe)
A380
ZA-27
K-Alloy
DX17, DX21

ALUMINUM

135T (5)

250T (2)

350T (31)

500T (4)

ZINC

60T (1)

80T (4)

150T (3)

250T (2)

CAPABILITIES

- CAD /CAM – Systems PRO-ENGINEER
- Magma Mold Flow Simulation Software
- **Full range** of prototyping capabilities
- In-house maintenance of high precision molds for Zn and Al
- **Total Project Management**
- Customer education through value engineering & design seminars
- Vacuum washing line w/ robotic arms
- Dust-free room

CERTIFICATIONS

- ISO 14001
- OHSAS 18001
- ISO 9001
- IATF 16949

SECONDARY OPERATIONS

BARRELING (MECHANICAL AND MAGNETIC) | AUTOMATIC BARRELING | LEAK TESTING
CRYOGENIC BLASTING | AUTOMATIC TAPPING | SUB-ASSEMBLY | ULTRASONIC WASH
THERMAL DEBURRING | SHOT BLASTING | CNC MACHINING CENTER (17 BROTHER 4-AXIS)

Dongguan

FOOTPRINT

16,130 m²

EMPLOYEES

1,225

TOOLING

In-house

30 Zn	Zamak 2 Zamak 3 Zamak 5 Zamak 8
13 Al	ADC12 ADC10 A380
12 Mg	K-Alloy AlSi12Cu DDG1 Alloys AZ91D

ZINC

A2
A2 - 10
A3
60T
80T
125T
250T

ALUMINUM

135T
350T

MAGNESIUM

60T
150T
350T

CAPABILITIES

- CAD /CAM - Systems PRO-ENGINEER Mold Flow Simulation Software
- In-house design of high precision tools
- Plastic (100T)
- TPU
- PC
- 60 Machines

CERTIFICATIONS

- ISO 14001
- ISO 9001
- IATF 16949

SECONDARY OPERATIONS

BARRELING | SUPER BARRELING | DEBURRING | TRIMMING | TAPPING | REAMING
 DRILLING | HEAT TREATMENT | SUB-ASSEMBLY | SURFACE FINISHES
 THERMAL DEBURRING | SHOT BLASTING | CNC (113) | TURNING MACHINES (2)

Sundaram

FOOTPRINT

8,200 m²

EMPLOYEES

212

TOOLING

CNC EDM, VMC

30

Zn

Zamak 2
Zamak 3
Zamak 5
ZA 27

13

Al

ADC6
ADC12
AC4CH
AlSigCu3
LM-24
LM-27
ENAC 47100

ALUMINUM

125T (3)

135T (1)

250T (1)

350T (5)

ZINC

A2 (20)

25T (1)

40T (1)

63T (5)

75T (1)

CAPABILITIES

- CREO software
- All tool designs are in-house for zinc
- Manufacture close tolerance of 18 micron in as-cast condition using Dynacast multi-slide machines

CERTIFICATIONS

- ISO 9001
- IATF 16949

SECONDARY OPERATIONS

IN-HOUSE

TUMBLING

SHOT BLASTING

TRIMMING

EXTERNAL VENDOR

CNC

VMC

SURFACE TREATMENT

Malaysia

FOOTPRINT

12,905 m²

EMPLOYEES

270

TOOLING

MAINTENANCE ONLY

13

Al

ADC 12

A380

GdAlSi12Cu

ZA 27

ENAC 44300

A413

ALUMINUM

125T (3)

250T (3)

350T (10)

CAPABILITIES

- 26 CNC machines
- CNC vertical milling – 22 units
- CNC turning – 4 units
- Wide range of secondary operations including available in-house and through certified partners

CERTIFICATIONS

- IATF 16949
- ISO 9001

SECONDARY OPERATIONS

CNC VERTICAL MILLING (22 UNITS) | CNC TURNING (4 UNITS) | SPM MACHINES
TUMBLING | SHOT BLASTING | ASSEMBLY | LEAK TEST | POWDER COATING
LASER ETCH | ULTRASONIC WASH. | SURFACE FINISHING | SPRAY PAINT

Singapore

FOOTPRINT

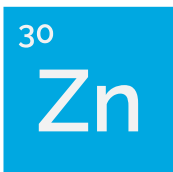
11,000 m²

EMPLOYEES

240

TOOLING

IN-HOUSE FABRICATION



Zamak 3
Zamak 5
Zamak 7
Zamak 8



Beric
EZAC
ADC12
ALSi12Fe



A380
B390
AZ91D

ZINC

A2 (32)

A3 (10)

125T (1)

ALUMINUM

135T (2)

MAGNESIUM

A3 (1)

CAPABILITIES

- CAD /CAM - Systems PRO-ENGINEER
- Mold Flow Simulation Software
- In-house design of high precision tools
- Project management and ESI
- CNC for tooling fabrication only

CERTIFICATIONS

- IATF 16949
- ISO 14001
- ISO 9001

Indonesia

FOOTPRINT

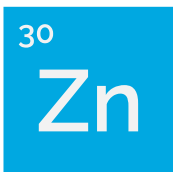
15,100 m²

EMPLOYEES

1,700

TOOLING

MAINTENANCE ONLY



Zamak 3
Zamak 5
Zamak 7
Zamak 8



Beric
EZAC
ADC12
ALSi12Fe
A380
B390

ALUMINUM

135T (1)

250T (1)

ZINC

90T (1)

125T (3)

200T (1)

250T (1)

CAPABILITIES

- Total of 12 in-house CNC machines
- Wide range of secondary operations available in-house or through certified partners

CAPABILITIES

- ISO 9001
- IATF 16949

SECONDARY OPERATIONS

TAPPING | DRILLING | BUFFING | VIBRATORY FINISHING | PLATING
DEBURRING | 100% INSPECTION | SPECIAL SORTING | SUB-ASSEMBLY
POLISHING | CNC | BORE-SIZING | SPRAY PAINTING | SHOT BLAST



Thank you