



天元模型機械股份有限公司

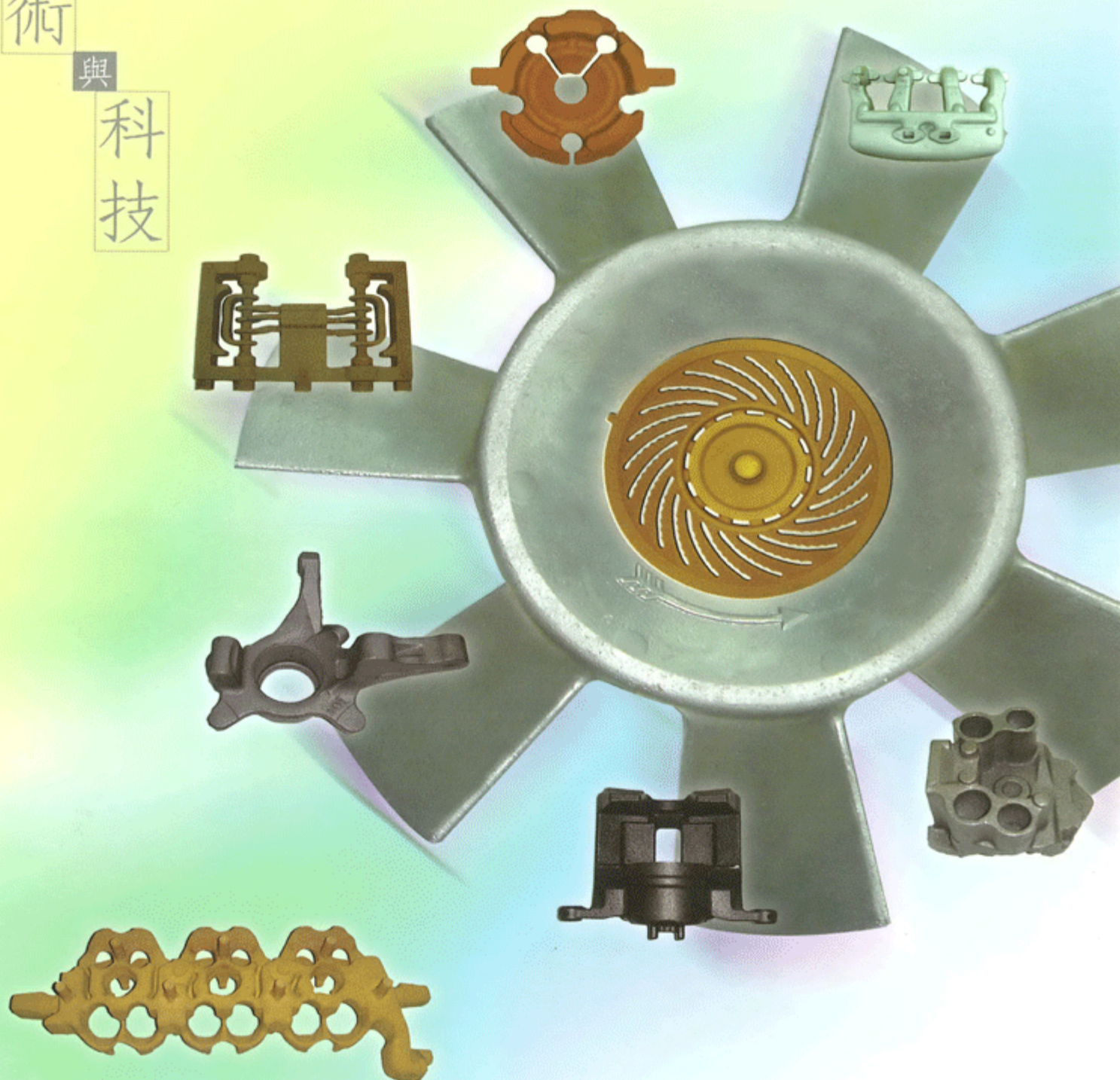
TEN YUAN Molding Machinery Co., LTD.

Specialist in Making Casting Mold & Casting Equipment
專業鑄造模具與鑄造設備

技術

與

科技





Specialist in Making Casting Mold & Casting Equipment
專業鑄造模具與鑄造設備



TN-ATG-01 鋁合金(傾斜式) 重力鑄造機
Aluminium Tilttable Gravity Die Casting Machine



TN-RH-440/RH-550 大型砂心機
Large Core Making Machine



TN-3R 噴泉式自動砂心機
Fountain Style Auto Core Making Machine



TN-3RX 中溫自動砂心機
Middle Temperature Auto Core Making Machine



TN-3RS 側吹式砂心機
Side blow style Core Making Machine

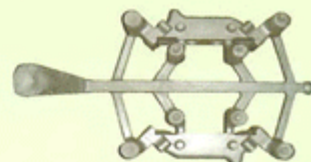
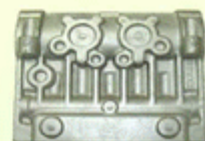
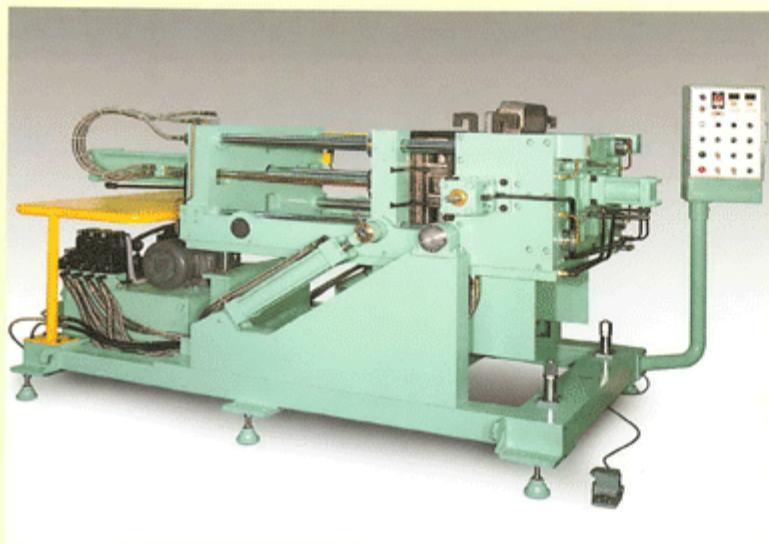


TN-2R 噴泉式自動砂心機
Fountain Style Auto Core Making Machine



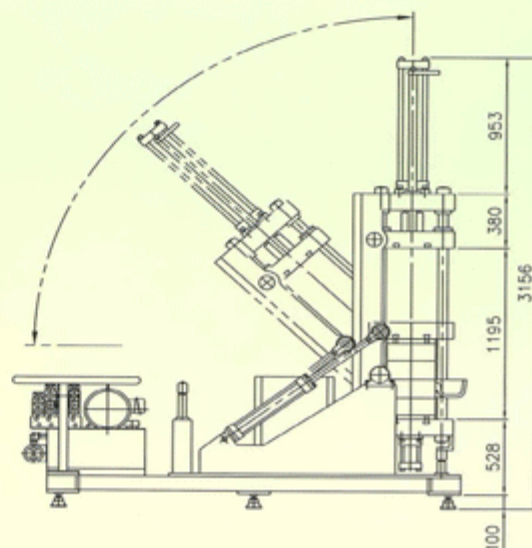
TN-ATG-01 鋁合金(傾斜式) 重力鑄造機

Aluminium Tilttable Gravity Die Casting Machine



特色 SPECIALIZE

- 地面架設即可，不挖地基。
Easy to set up at ground no need for dig base-ment.
- 澆注高度，適合人體工學。
Pouring gate is low and comfortable for manual operation.
- 澆注角度可選擇 0度~90度，水平至垂直。
Pouring gate can choice from 0°-90° degree hori-zontal to vertical.
- 配合模具設計，可四面抽心以及上下頂出功能。
Machine have function of four side coro pull with up/down ejection system to concert with die design.
- 操作採用可程式控制器，可改變操作程式。
Used "Programmer" for operation, program can change...



The Technical Date

1.機型：TN-ATG-01 Machine model

2.平台尺寸：990x520 Platen size (m/m)

3.開模行程：600 Mold opening stroke (m/m)

4.最小夾模尺寸：300 Min clamping size (m/m)

5.最大模具尺寸：790x600 Distance between tie bars (m/m)

6.合模壓力：7500 Clamping force (kgf/cm²)

7.頂出壓力：4500 Ejection force (kgf/cm²)

8.機械重量：3200 Machine weight (kg)

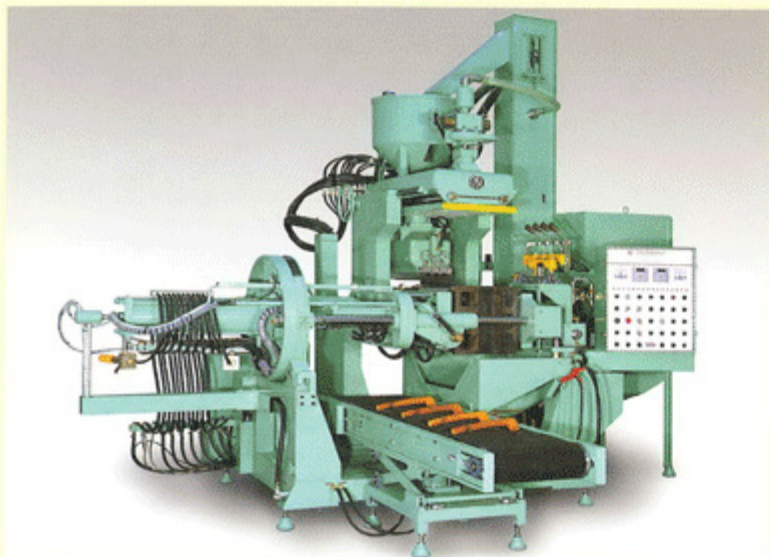
9.傾斜角度：0度~90度 Titing angle degree
(可調整,可依客戶要求) (Can be abjustecd, as required)

10.機械尺寸：3050x2200x2550 Overall Ddmension (m/m)



TN-RH-440/RH-550 大型砂心機

Large Core Making Machine



特色 SPECIALIZE

- 適用汽車及相關大型砂心。
Suitable for large core & parts for automobile.
- 可以180°迴轉,適合中空砂心使用。
Suitable for hollow core & can rotary 180°
- 噴口由氣缸控制防止漏砂效果佳。
Nozzle control by cylinder to avoid leak.
- 可做多方向抽心動作。
Multi-direction pull core.
- 噴砂口自動烘烤。
Nozzle bake by auto system.

- 自動垂直供砂。
Vertical feed sand by auto system.
- 模面吹塵裝置自由選擇。
Installation of cleaning dust for mold, choosing by customer.
- 電熱或瓦斯自由選擇。
Heating by electric or gas, choosing by custom.

Model No.	TN-RH-440	TN-RH-550	TN-RH-900
模型尺寸 L×W×H Mold Size (mm)	440×440×120/120	550×550×150/150	900×680×200/200
有效面積 L×W×H Effective Area (mm)	380×380×75/75	490×490×105/105	840×620×160/160
操作壓力 Operate Pressure (kg/cm ²)	6~8	6~8	6~8
加熱方式 Heating	電熱或瓦斯 Electric or Gas	電熱或瓦斯 Electric or Gas	電熱或瓦斯 Electric or Gas
電源供應 Power Supply (kw)	25	30	50
適用範圍 Applicable Range	大型砂心 Large Core Mold	大型砂心 Large Core Mold	大型砂心 Large Core Mold
造模容量 Molding Capacity (kg)	25	30	50
機械尺寸 L×W×H Machine Size (mm)	4000×3400×3500	4000×3600×3500	4500×3600×4200
機械重量 Machine Weight (kg)	3600	3950	6800



TN-3R 噴泉式自動砂心機

Fountain Style Auto Core Making Machine



特色 SPECIALIZE

- 內藏式電熱加溫，兩側模具獨立控溫裝置。
Built-in type of electrically heating, independent thermal control for both sides of molds.
- 密閉式連續供砂，可獲最佳吹砂能力。
Close type of continuously sand feeding able to obtain the optimum sand blast capability.
- 自動半自動選擇操作。
Auto and semi-auto selection for operating.
- 活動側自動翻轉，脫模，水平取出，配合昇降輸送帶，可確保成品不易破損。
Movable side available for auto rollover, mold release, horizontal remove, to match conveyor lifting for securing finished products not easily being broken.



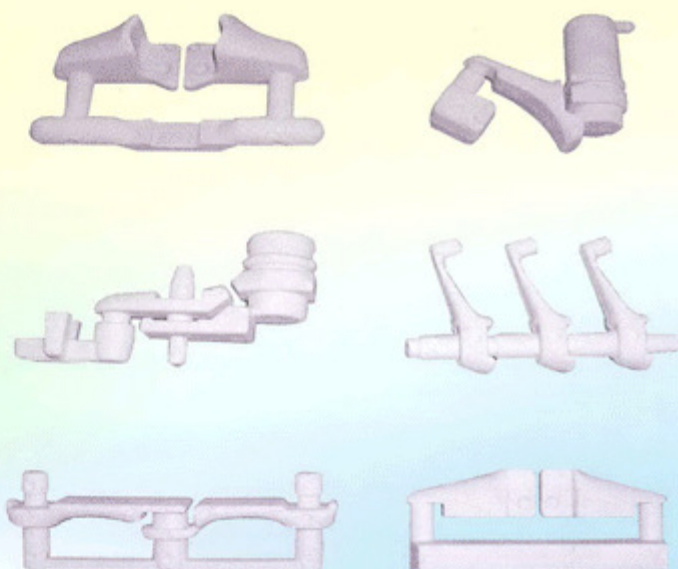
- 噴砂面水冷循環，自動掃塵。
The circulation of water cooling for sand blast surface and automatically dust sweeping.
- 獨創抽心控制可作第三面拆模動作。
Unique core pulling control available for the third surface of mold sectional action.
- 滑動軸硬化處理，及穩固機件，可以保證長期的耐用度。
Sliding shaft with harden treatment and stability of components to secure long term durability.
- 簡易電子控制箱，提供全自動操作系統。
Simple electronic control box for full auto operation system.

Model No.		TN-3R
模型尺寸	L×W×H Mold Size (mm)	540×300×120/120
有效面積	L×W×H Effective Area (mm)	480×250×75/75
操作壓力	Operate Pressure (kg/cm ²)	6~8
儲砂容量	Sand Storage (kg)	500
加熱方式	Heating	電熱或瓦斯 Electric or Gas
電源供應	Power Supply (kw)	18
適用範圍	Applicable Range	中小型砂心 Medium/small core
造模容量	Molding Capacity (kg)	12
機械尺寸	L×W×H Machine Size (mm)	3800×2200×1600
機械重量	Machine Weight (kg)	2300



TN-3RX 中溫自動砂心機

Middle Temperature Auto Core Making Machine



特色 SPECIALIZE

- 佔地空間小，適合透氣良好的砂心使用。
Take a small space, suitable for good ventilation's core.
- 自動、半自動選擇操作。
Auto and semi-auto selection for operating.
- 活動側自動翻轉，脫模，水平取出，配合昇降輸送帶，可確保成品不易磨損。
Movable side available for auto rollover, mold release for securing finished products not easily being broken.

- 噴砂面水冷循環，自動掃塵。
The circulation of water cooling for sand blast surface and automatically dust sweeping.
- 獨創抽心控制可作第三面拆模動作。
Unique core pulling controll available for the third surface of mold sectional action.
- 滑動軸硬化處理，及穩固機件，可以保證長期的耐用度。
Sliding shaft with harden treatment and stability of components to secure long term durability.
- 簡易電子控制箱，提供全自動操作系統。
Simple electronic control box for full auto operation system.

Model No.		TN-3RX
模型尺寸	L×W×H Mold Size (mm)	540×300×120/120
有效面積	L×W×H Effective Area (mm)	480×250×75/75
操作壓力	Operation Pressure (kg/cm ²)	6~8
儲砂容量	Sand Storage (kg)	30
加熱方式	Heating	固定式機械本身電熱,非模具加熱 Heating with machine not with mold by electrice
電源供應	Power Supply (kw)	18
適用範圍	Applicable Range	中小型砂心 Medium/Small Core
造模容量	Molding Capacity (kg)	5
機械尺寸	L×W×H Machine Size (mm)	3800×2200×1600(mm)
機械重量	Machine Weight (kg)	2300



TN-3RS 側吹式砂心機

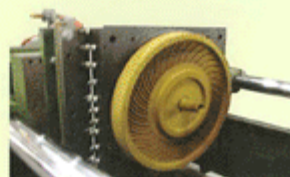
Side blow style Core Making Machine



特色 SPECIALIZE

- 改善垂直式進砂缺點。
Improved defect of vertical feed sand.
- 自動清模設計。
Design for clean mold by auto system.
- 砂心自動取出並運送。
Take out & deliver core by auto system.
- 夾模空間有彈性。
Pattern size can be adjusted as required.
- 適用一般煞車盤、葉片及側吹設計之模具。
Suitable for side blow design, such as disc, fan.

Model No.		TN-3RS		
模型尺寸	L×W×H	L × W (mm)	H (mm)	砂心外徑
	Mold Size (mm)	(1) 350×350	70 / 70	φ 310 mm
		(2) 390×390	70 / 70	φ 360 mm
		(3) 440×440	120/120	φ 400 mm
		(4) 500×500	120/120	φ 450 mm
操作壓力	Operate Pressure (kg/cm²)	6		
儲砂容量	Sand Storage (kg)	500		
加熱方式	Heating	電熱或瓦斯 Electric or Gas		
電源供應	Power Supply (kw)	18		
適用範圍	Applicable Range	汽車煞車盤、幫浦葉片 disc for auto , fan for pump		
造模容量	Molding Capacity (kg)	6		
機械尺寸	L×W×H Machine Size (mm)	4200×2000×2000		
機械重量	Machine Weight (kg)	2400		





TN-2R 噴泉式自動砂心機

Fountain Style Auto Core Making Machine



特色 SPECIALIZE

- 佔地空間小。
Take a small space.
- IC板設計，容易維修。
Easy maintain because of IC board designed.
- 適用於長方形模具。
Suitable for rectangle mold.
- 自動連續供砂，減少壓力損失。
Auto type of continuously sand feeding, avoid lose pressure.
- 適合製作小家電，給水銅器及五金製品。
Suitable for home appliances, brass faucet & hardware.
- 自動脫模、運送。
To release mold & deliver core by auto system.

Model No.			TN-2R
模型尺寸	L×W×H	Mold Size (mm)	400×250×100/100
有效面積	L×W×H	Effective Area(mm)	400×230×60/60
操作壓力	Operate Pressure	(kg/cm ²)	6~8
儲砂容量	Sand Storage	(kg)	350
加熱方式	Heating		電熱 Electric
電源供應	Power Supply	(kw)	15
適用範圍	Applicable Range		中小型砂心 Medium/small core
造模容量	Molding Capacity	(kg)	8
機械尺寸	L×W×H	Machine Size (mm)	3000×1500×1750
機械重量	Machine Weight	(kg)	1500

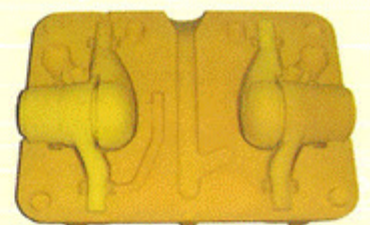
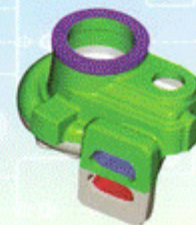
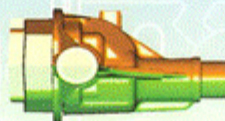
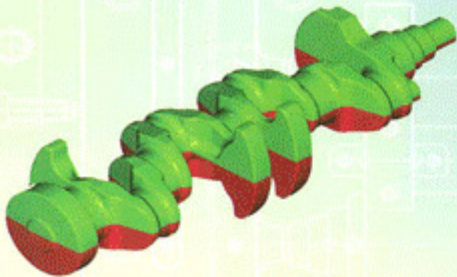
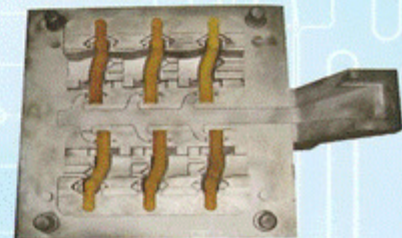
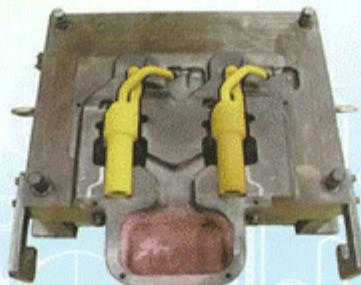
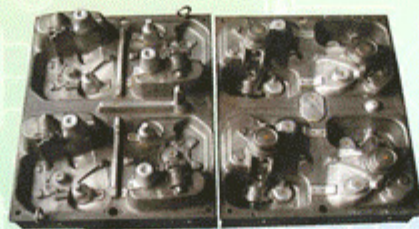
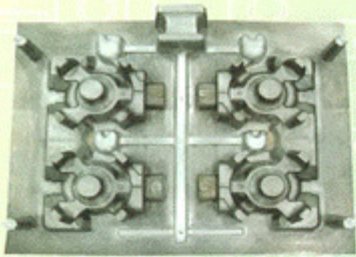


累積經驗
ACCUMULATING EXPERIENCE



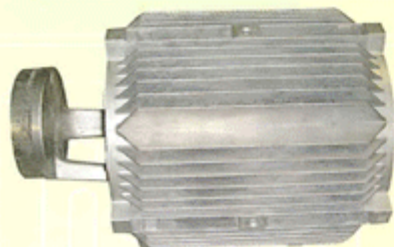
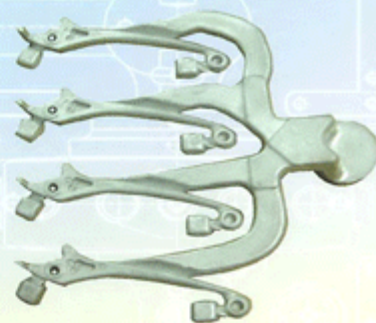
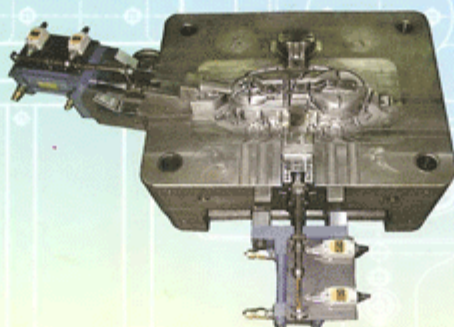
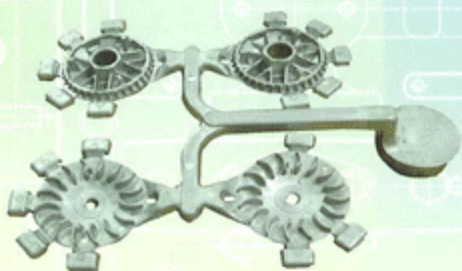
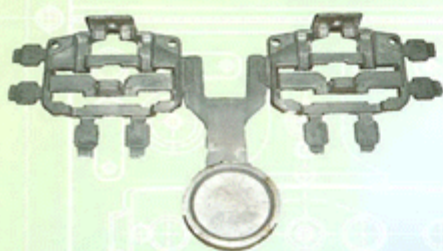
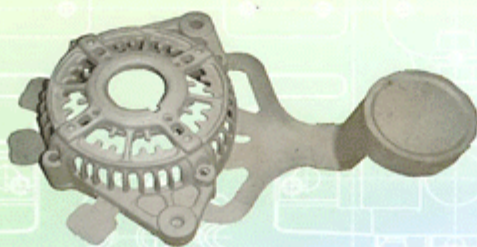


創新技術
INNOVATING NEW TECHNOLOGY





以客為尊
CUSTOMER FIRST



提供優良的鑄造設備與技術 是天元三十年來的努力目標

IT HAS BEEN OUR MAIN GOAL FOR THE LAST THIRTY
YEARS TO PROVIDE OUR CUSTOMERS WITH THE
BEST FOUNDRY EQUIPMENT AND THE MOST
ADVANCE TECHNOLOGY



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