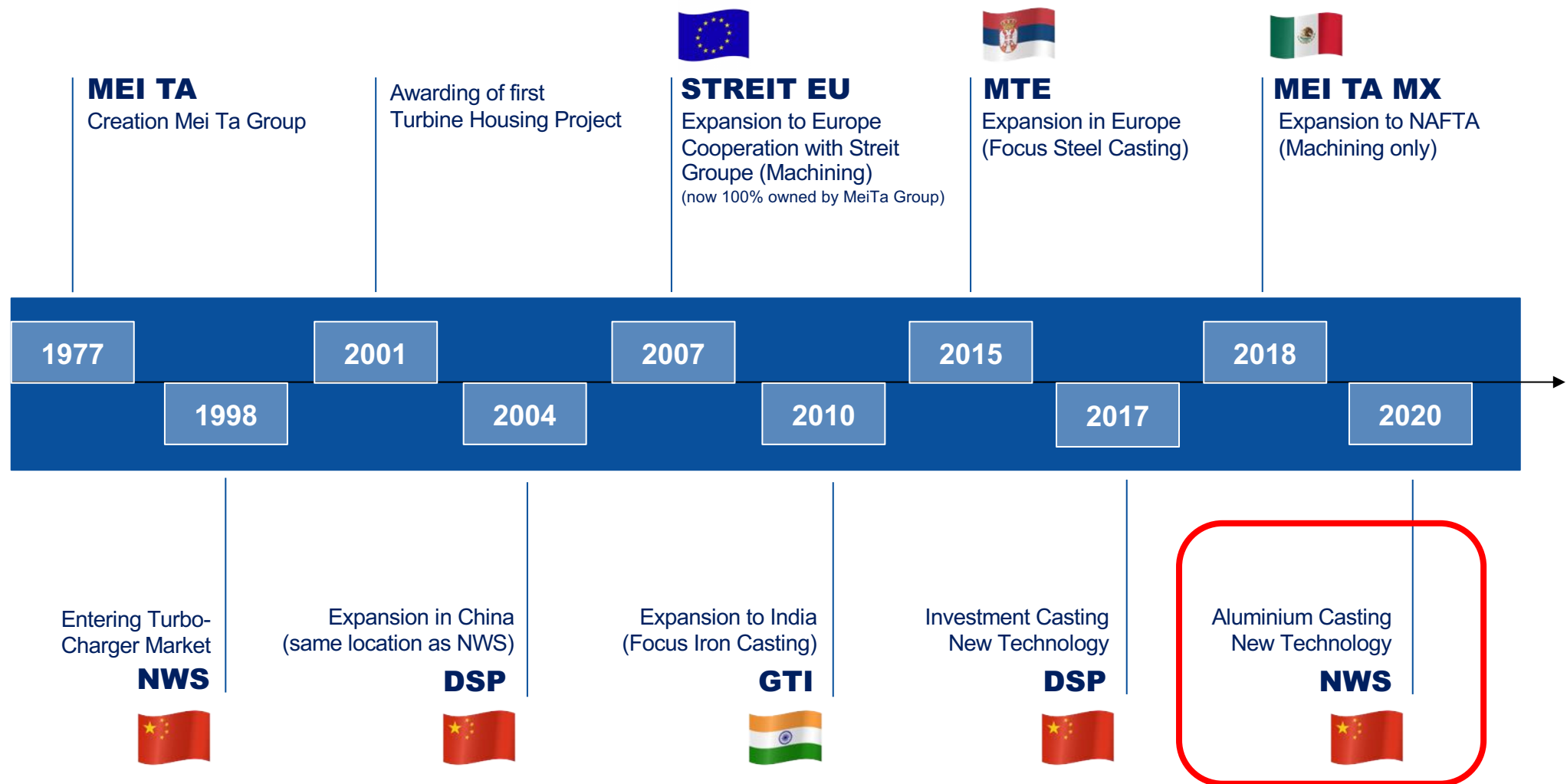




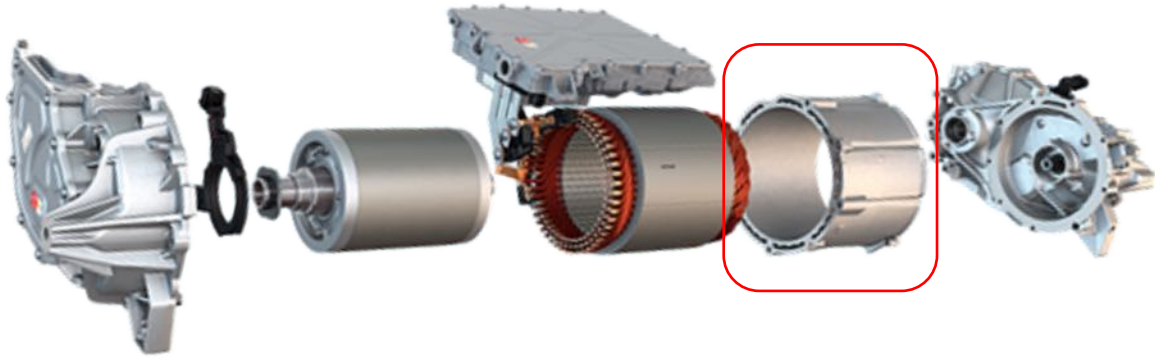
Aluminium CASTING Presentation

Group Expansion Timeline



Complex castings with internal cavities

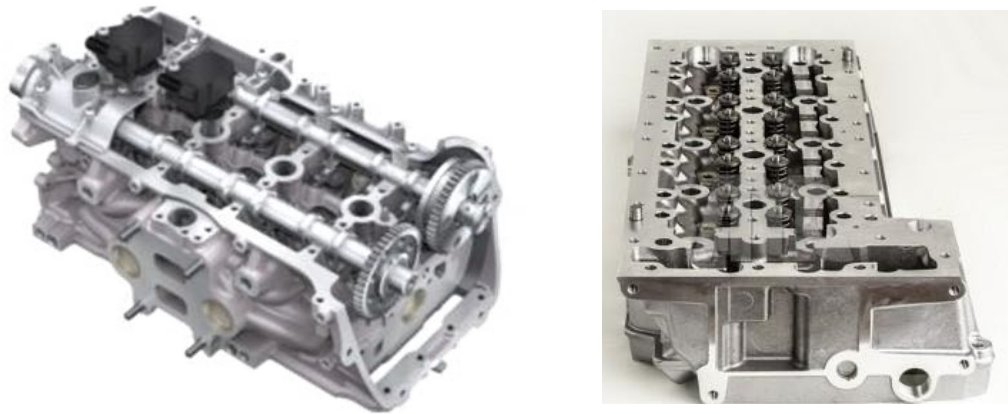
E-Motor Housings



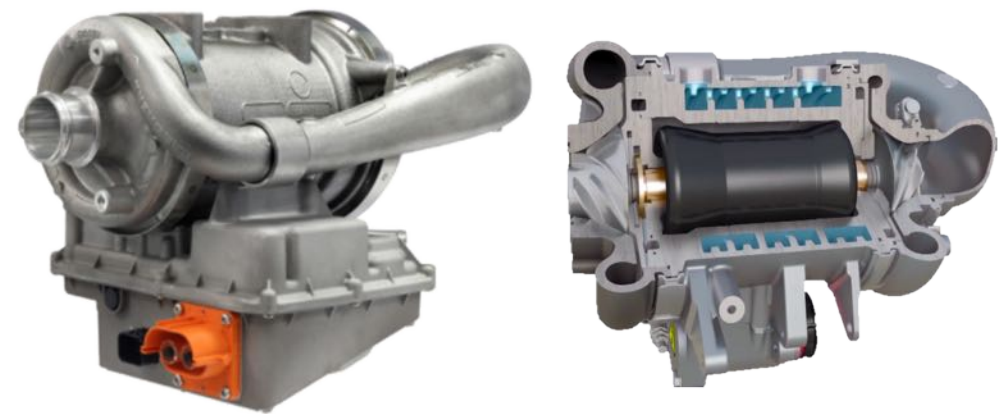
Vehicle Sub-Frame



Cylinder Head

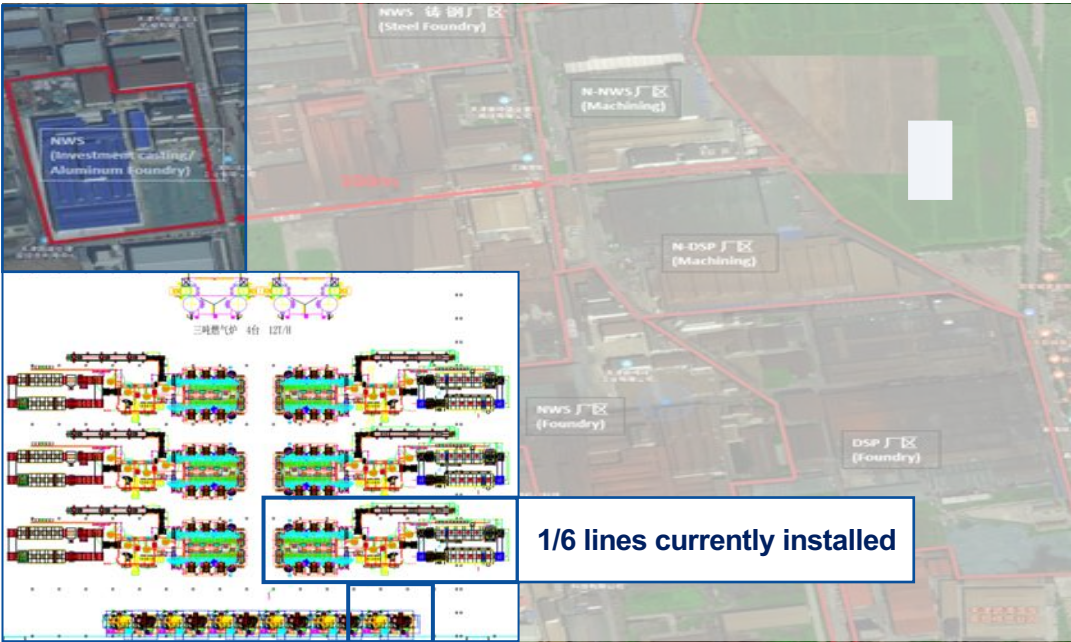


Fuel Cell Compressor Housings



Production Location

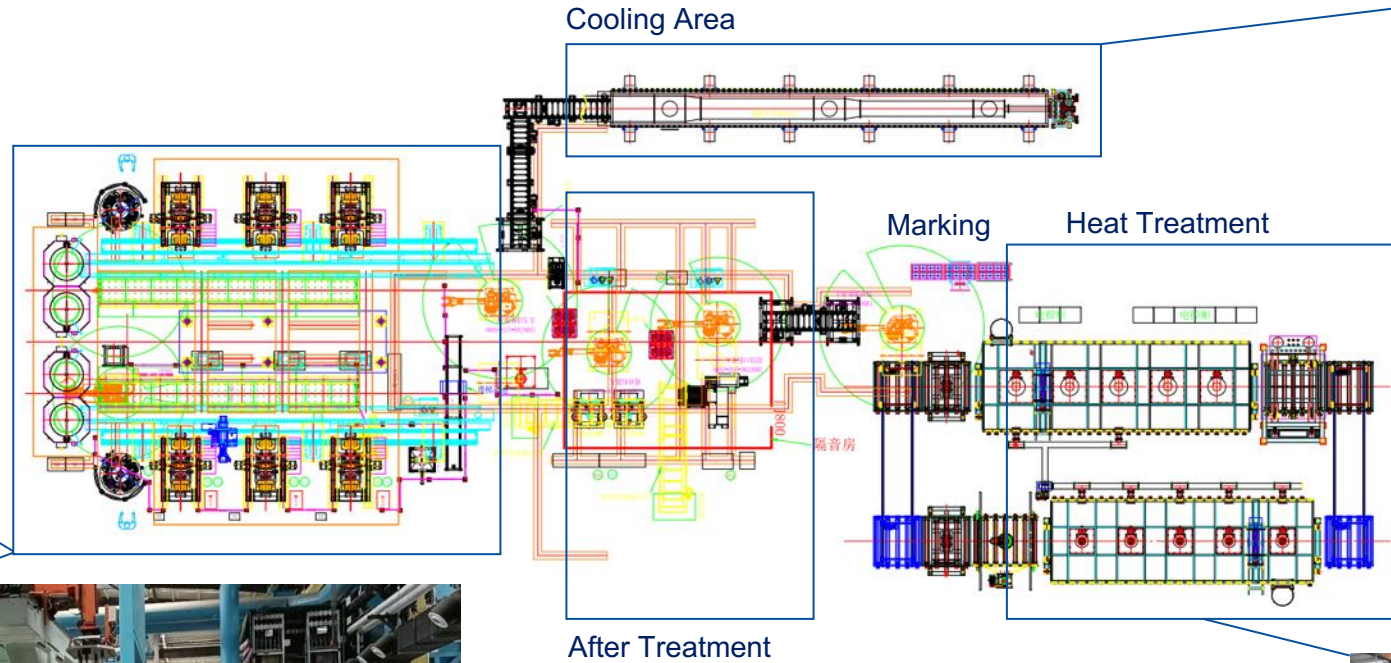
Foundry location	NWS - New Wei San Industries Co. Ltd. Situatied 300 meters from other NWS/DSP facilities for Iron & Steel Casting
Capacity	<ul style="list-style-type: none"> 4000 Tons/year – 3.6 Millions pcs/year
Molding / pouring technology	<ul style="list-style-type: none"> 6 Automatic tilt-pouring lines utilising permanent dies with internal sand cores Gravity OR low pressure process
Core making technologies	<ul style="list-style-type: none"> Croning (hot) and cold box processes
Melting technology	<ul style="list-style-type: none"> 4x3Tons furnaces
Materials in production	<ul style="list-style-type: none"> Al-Si-Mg alloy Al-Si alloy Al-Cu alloy



State of the art automatic production line



Core assy, Core setting & Automatic pouring



Metal preparation and Auto pouring process



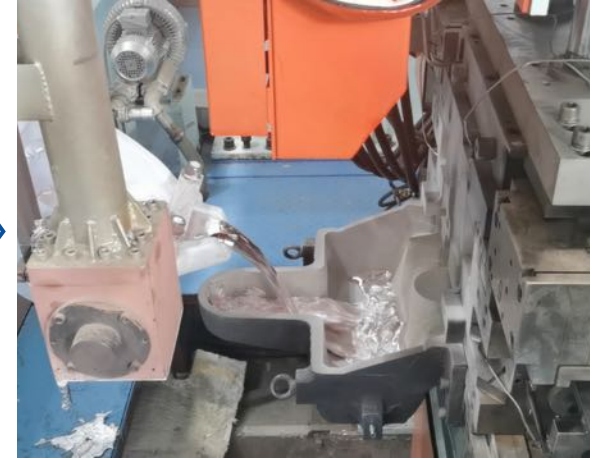
Centrifugal deslagging



Transfer of metal from furnace to pouring basin



Automatic Core setting



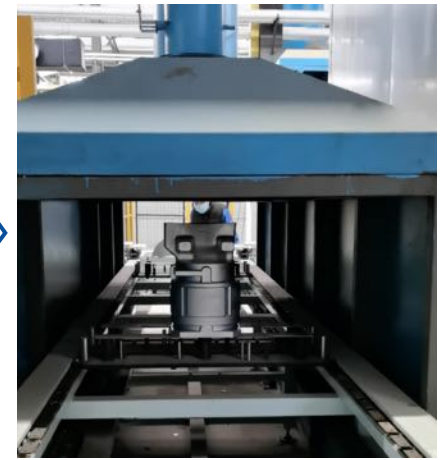
Metal Pouring



Mould rotation to minimise turbulence during filling



Die opening and extraction of the part



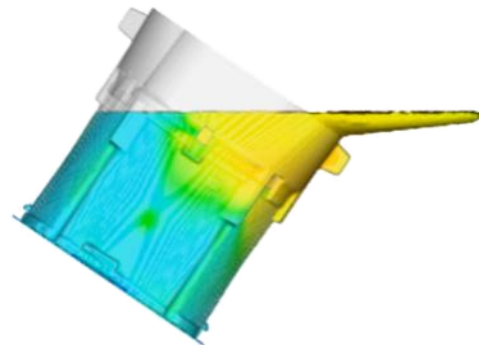
Transfer & Cooling

Inhouse Development Process (Example)

Part Design Optimisation / Casting Simulation

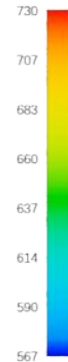
Tilt-Pouring simulation

Time = 9.300



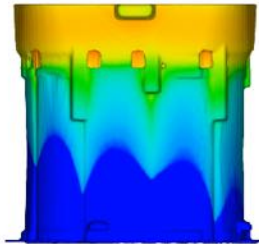
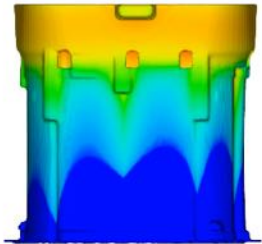
FLOW-3D
CAST

Temperature (deg-C)



Solidification simulation

Time = 58.709

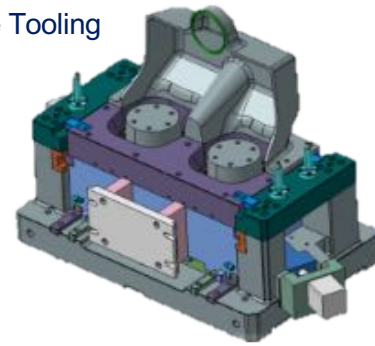


Temperature (deg-C)

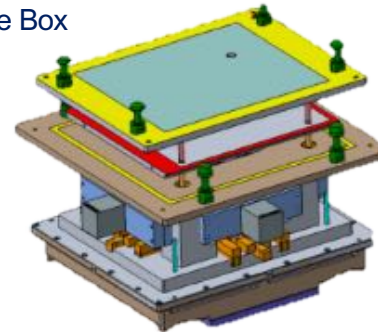


Casting Tooling Development

Die Tooling



Core Box

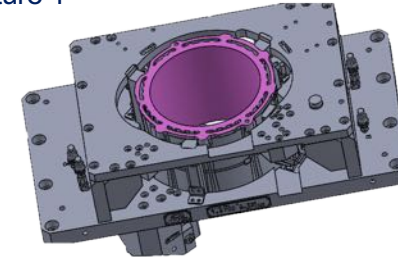


Internal Sand Core

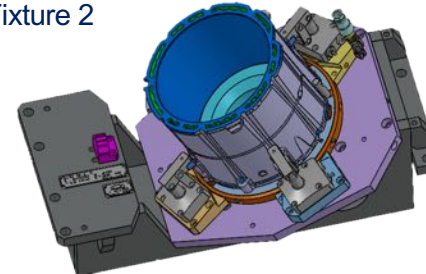


Machining Fixture Development

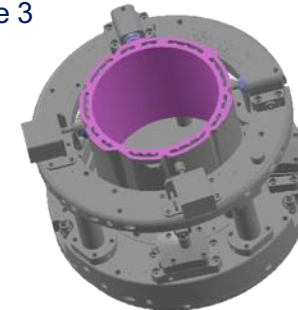
Fixture 1



Fixture 2



Fixture 3



Product Portfolio

Aluminium parts with inner cavity



Know how of complex core making










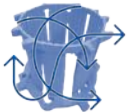



Cast iron/ Stainless steel parts



Conclusion

Why chosing MeiTa as supplier for Aluminium Castings?

<div>Global Footprint</div> 	<div>Local Support</div> 	<div>Reasonable Pricing</div> 
<div>Experience</div> 	<div>Tooling Development</div> 	<div>State of the art process</div> 
<div>Automation</div> 	<div>Mass Production</div> 	<div>Fast Development</div> 
<div>Simulation Software</div> 	<div>Complicated Cores</div> 	<div>Solution Provider</div> 

Final Statement

Mei Ta Industrial Co. Ltd. is a well established, global acting company with a local footprint serving automotive as well as other industry sectors with a extraordinary product quality.

MeiTa has outstanding strength in terms of product development, casting simulation, tooling fabrication and machining experience in combination with state of the art production processes and a high level of automation.

MeiTa is a solution provider that supports customers finding the right balance between production feasibility and sophisticated designs for a reasonable price.

We are keen to work with you on future aluminium casting products together.

Business Philosophy / 經營理念

Customer is top priority
客戶至上

Honesty comes first
誠信第一

Care for each other
相互關懷

Learn actively
積極學習

Quality Philosophy / 品質政策

Excellent quality
質量第一

On-time-delivery
交期準確

Reasonable price
價格合理

Thoughtful service
服務周到

Thank You

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Website: http://gti-india.com