



Directing Central & Eastern Europe in developing complex tool manufacturing

LOCATION in CEE



**Extension of the production of the
European car manufacturers**



Our factory in numbers

5000 sqm production floor

100+ employees

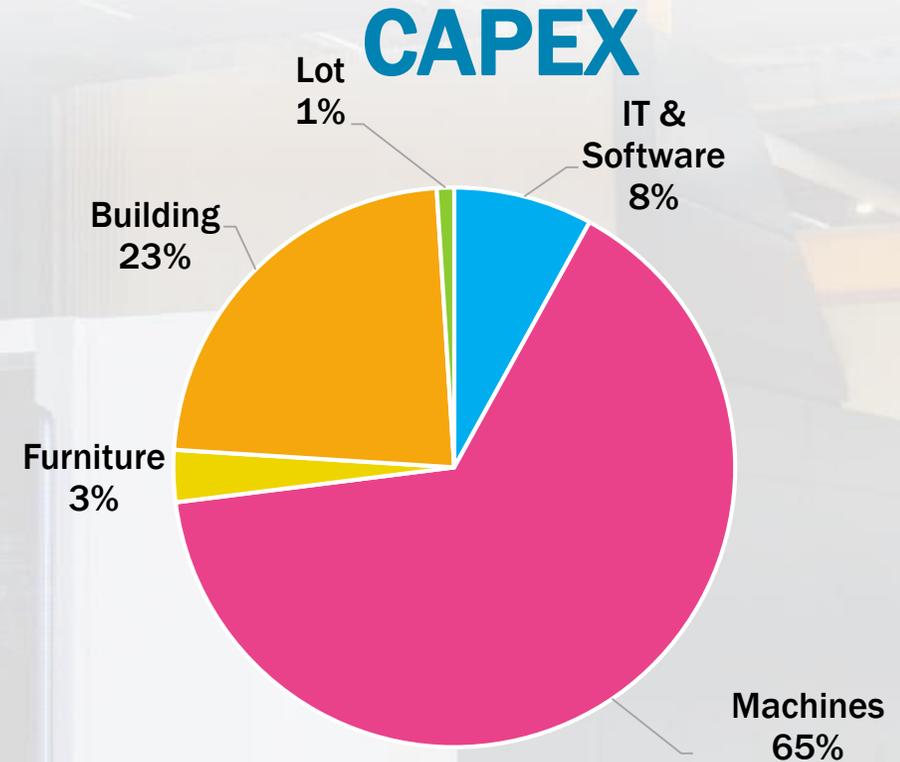
Cranes up to 45 tons

Industrial tools up to 6000 mm x 2500 mm

28 machines & machining centres

22 m € in CAPEX

Capacity of 100+ projects/year (~35 XXL tools)



Complex tooling solutions up to 70 tons for various industrial segments



Plastic



Sheet metal

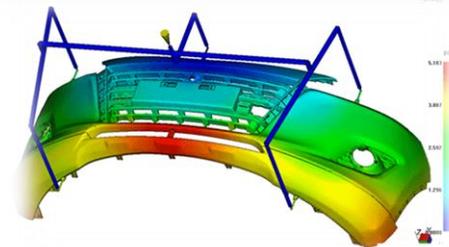


Die casting

 **Injection molding**

 **Sheet metal processing**

 **Pressure die casting**





Injection molding



Sheet metal processing



Pressure die casting

Service spectrum sheet metal processing

- Complete sheet metal processing tools
 - Transfer tools
 - Progressive tools
- Design jobs
- Tool modifications
- Processing orders for tool parts
 - Including Ho-Fo-tools





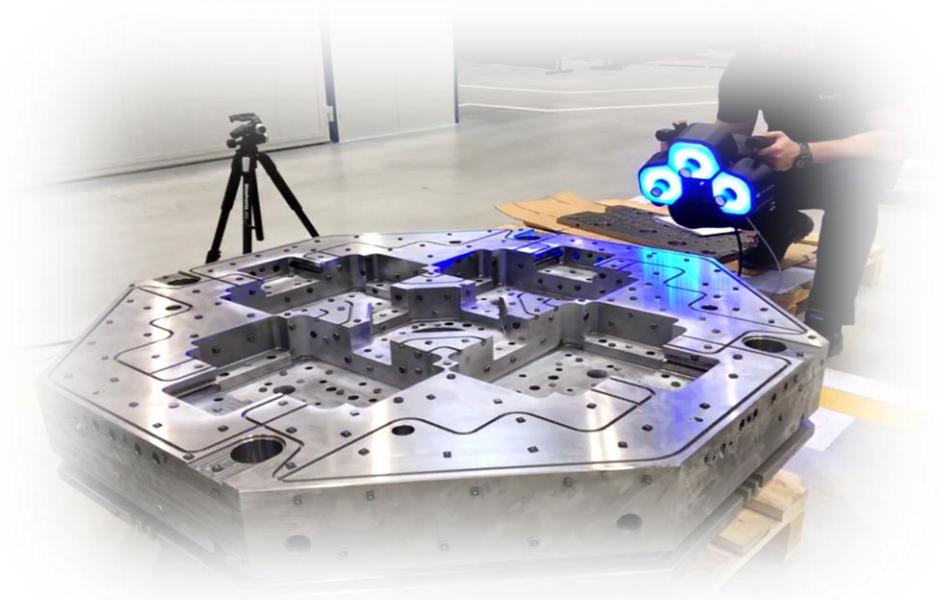
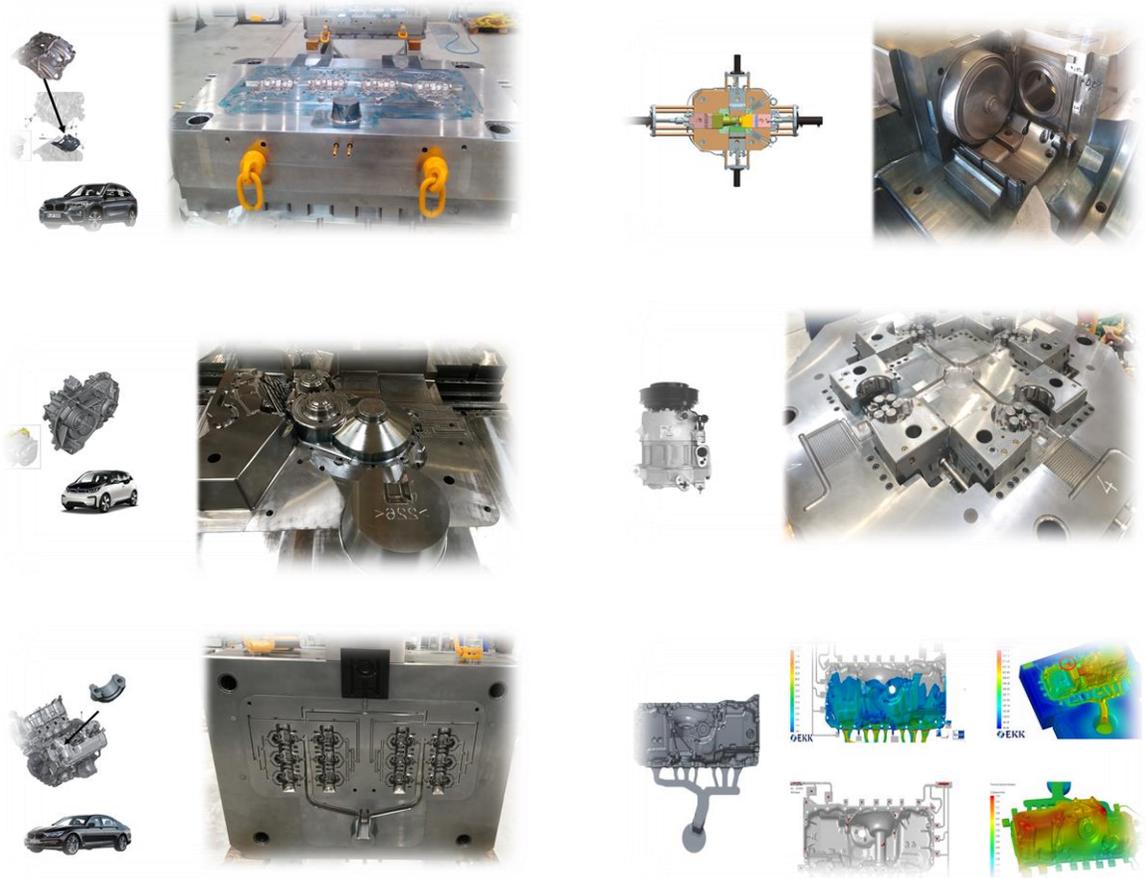
Injection molding



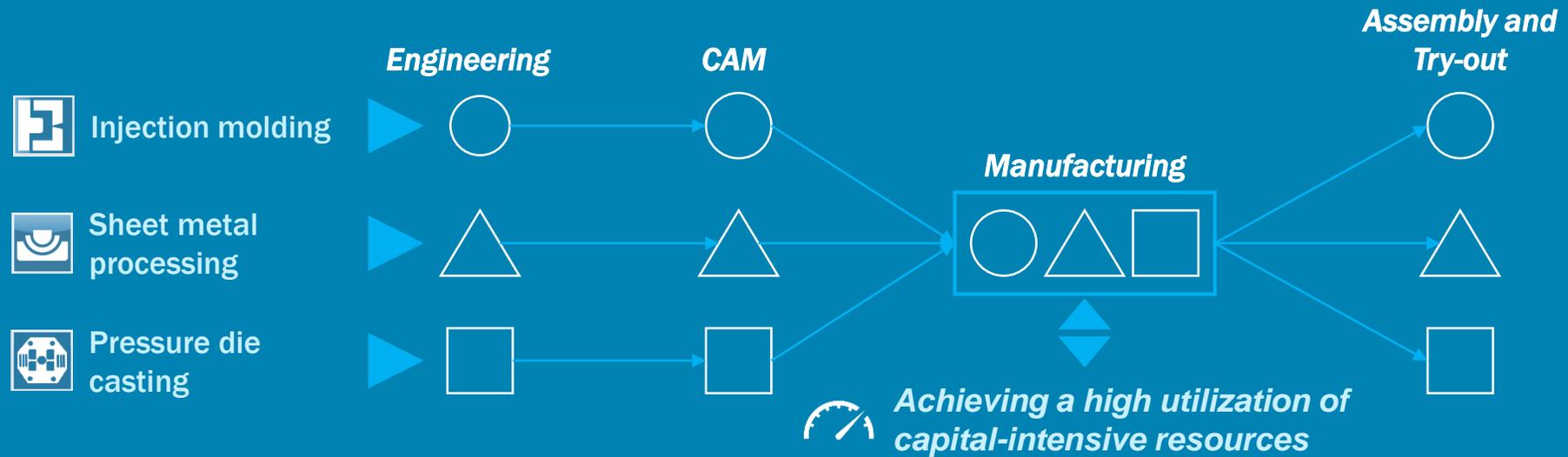
Sheet metal processing



Pressure die casting

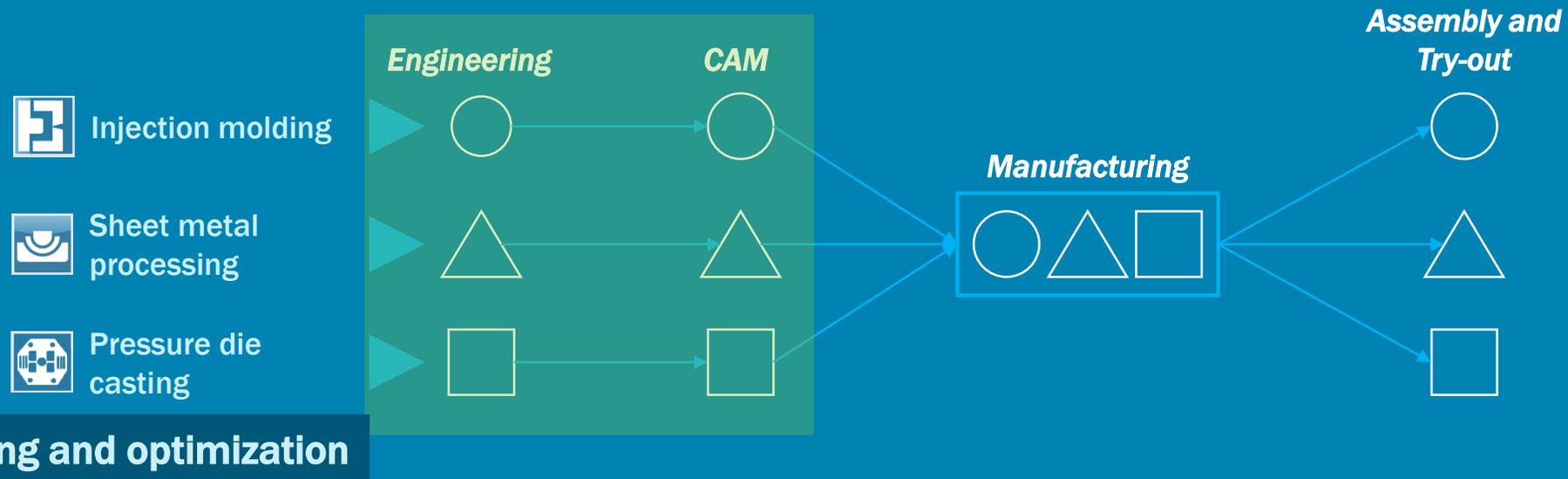


In manufacturing, the process chains for the different tool types come together



Regardless of the tool type, all orders run through the same machine park, so that a high utilization of machine resources and thus an economical manufacturing is possible.

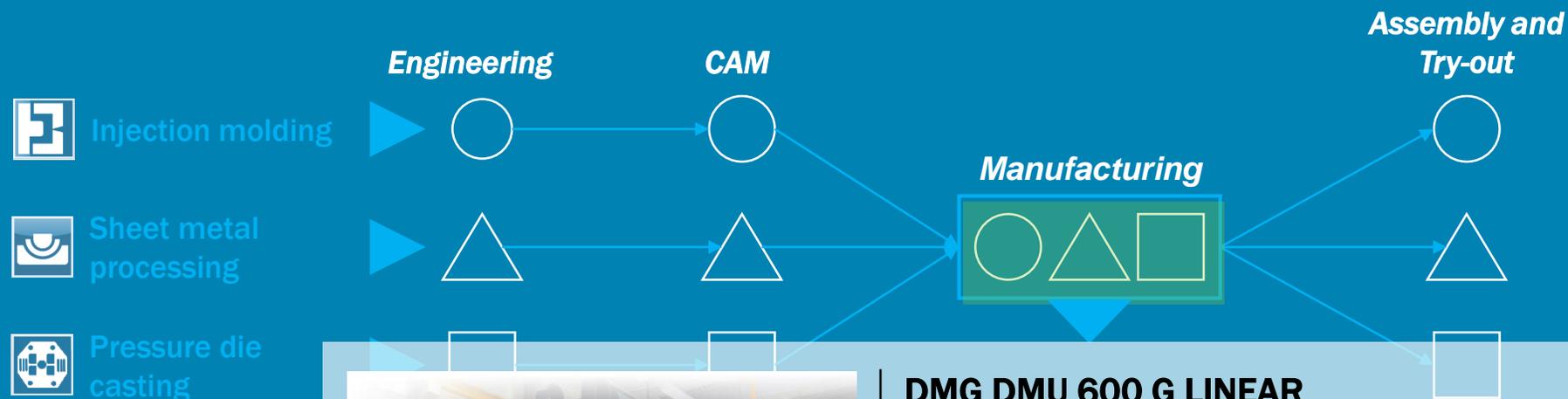
In the field of engineering, SPINTO offers comprehensive testing and optimization services



Testing and optimization

- Early prototypes using 2D / 3D lasers
- Testing in-house or with our partners
- Tool optimization with CAD update always
- Engineering Change Management
- PPAP based on CMM / Gauging / 3D scan
- Process stability through CPK analysis

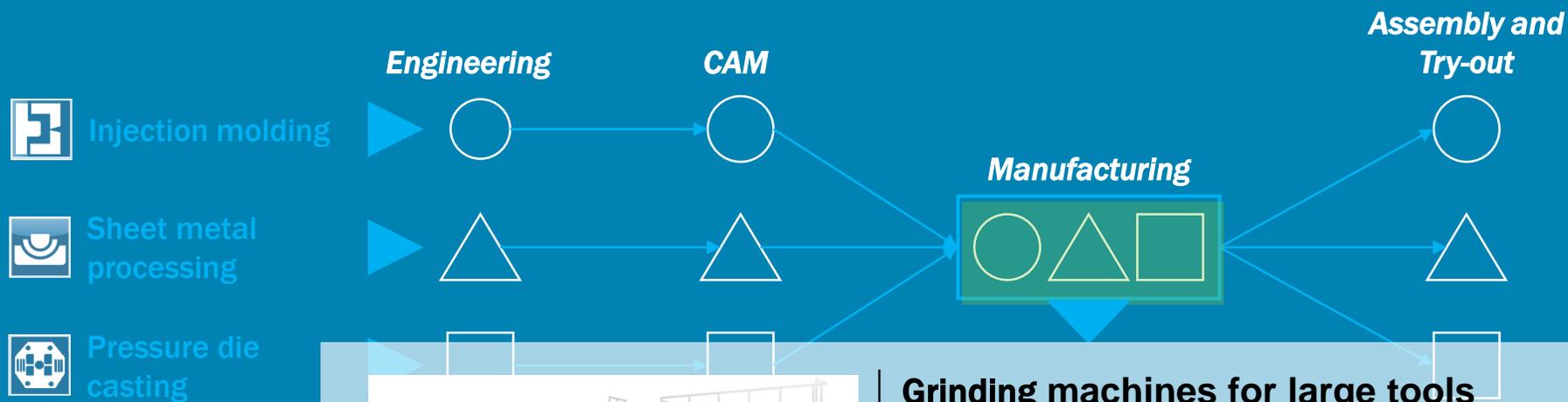
SPINTO has a state-of-the-art machine park for the production of large tools



DMG DMU 600 G LINEAR

- 5-axis HSC milling
- 6 000 x 4 500 x 1 500 mm
- Machining of visible surfaces („A“ surface)
- Milling of complete tool assemblies

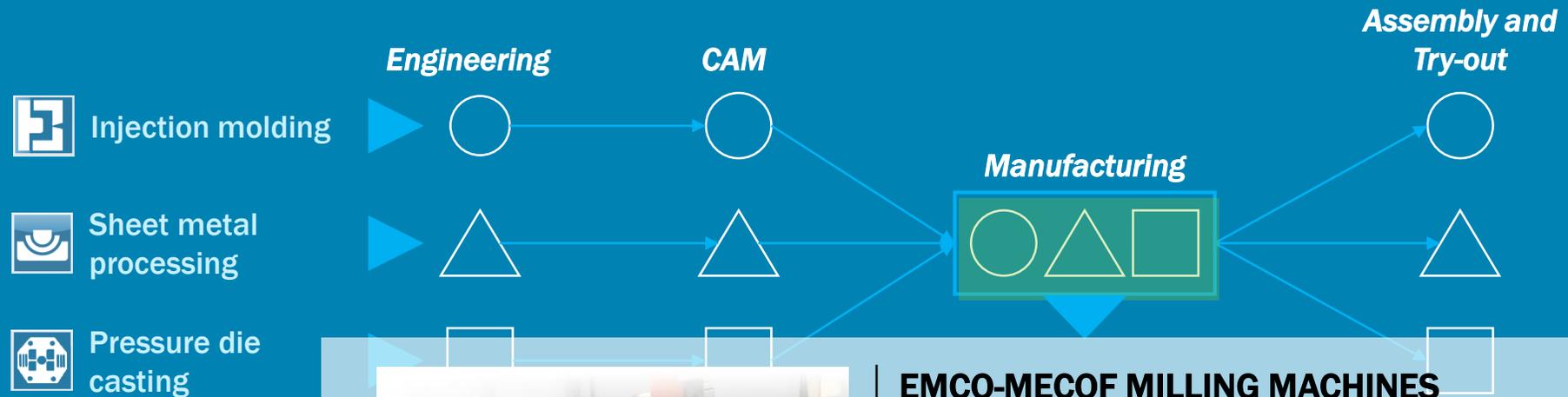
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Grinding machines for large tools

- ZIERSCH ZT2050 CNC FLATGRINDER
5000 x 2200 mm

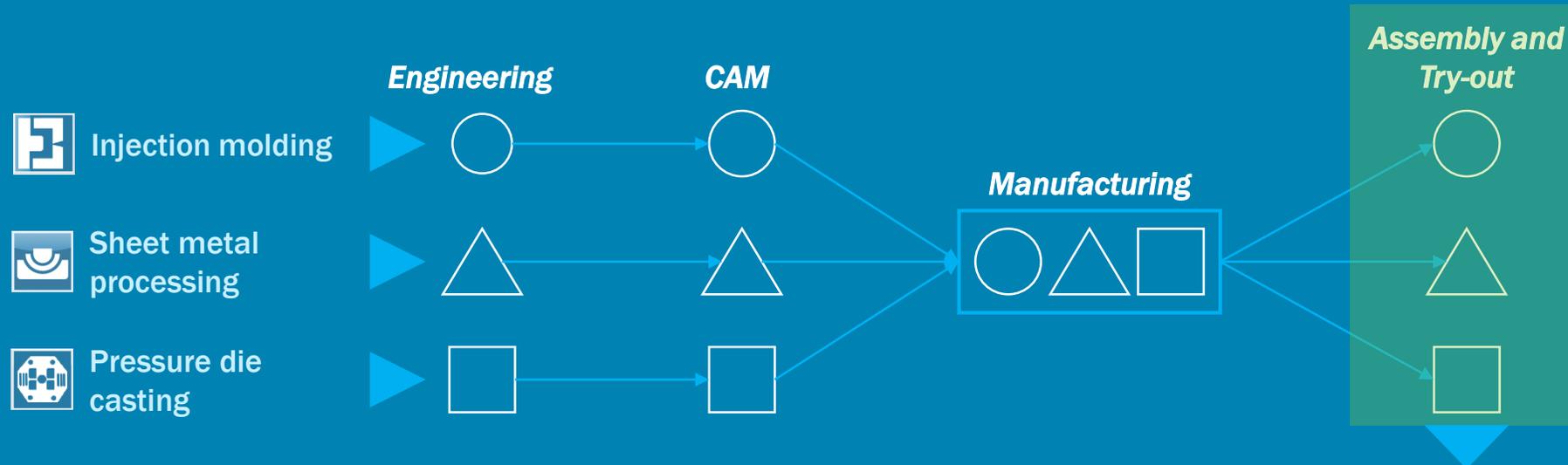
SPINTO has a state-of-the-art machine park for the production of large tools



EMCO-MECOF MILLING MACHINES

- MECOF ECOMILL PLUS (3+2 AXIS)
6000 x 3000 x 1600 mm
- MECOF ECOMILL (3+2 AXIS)
6000 x 2500 x 1300 mm
- MECOF ECOMILL (3+2 AXIS)
4000 x 2500 x 1300 mm

The tool production is completed by the try-out on the in-house try-out press




HIDROMODE 2000

- Hydraulic try-out press
- Up to 2 000 t press force
- Fixing plate is compatible with most OEMs











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First

November 1st, 1982

HONDA OF AMERICA MFG., INC.

Another product with pride!

Automobile







What should be our strategy?

We propose...

- **Reconsideration**
- **Reconstruction**
- **Refocus**



**Seeing once is better than hearing a hundred times-
We are looking forward to your visit at SPINTO!**



Thank you very much for your attention!