

SIMON Manufacturer of Plastic Products

Kőszárhegy-2 Plant



Kőszárhegy-1 Plant



Kőszárhegy-3 warehouse



Szabadbattyán plant



SIMON®

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member of the Association
of the Hungarian
Automotive Industry

SIMON



SIMON Manufacturer of Plastic Products



Company was founded by
Mr. István Simon in 1985
Automotive since: 1998

- 6500 m² all production area
- 1500 m² assembly area
- 4500 m² warehouse
- 80 pcs CNC injection molding machines
- 30 million automotive parts per month
- 90% sell to automotive market
- 400 employees
- IATF 16949, ISO 14001, ISO 9001
- TO: 20 M€
(+ 1,8M€ in 2017. Awarded +23 M€)



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Production plant 5000 m² - Kőszárhegy-2



Production Technologies:

- Automatic molding:
80 molding machines (25 to .. 550 to)
- Overmolding (vertical):
2 molding machines
- Silicon LSR 2 molding machines
- Assembly manual, semi-aut

Services

- Engineering
- Tooling
- Quality
- Logistic
- Storage



Products - Molding

Overmolding



Full automatic overmolding →

Universal, automatic molding



800 active tools, 1200 PNs, 100 resins, 80 colorants.

Clients



Through our clients our components are built into several OEM's vehicles



Production Services - molding

Clamp. force [t]	Quantity [pcs]	2016 Q4-2018 Q1
25	8	
50	11	1
80	17	
100	22	9
120	3	
160	10	1
200	7	
350	1	
550	1	
Total:	80	11

2017..2018 Q1

- 11 pcs new fully electric molding machines w/robot

Secondary operations

- Assembly
- Ultrasonic, vibration welding
- Laser marking, engraving
- Hot foiling,
- Tampo printing experience,
- 100% sorting, inspection,



Secondary operations – Assembly examples

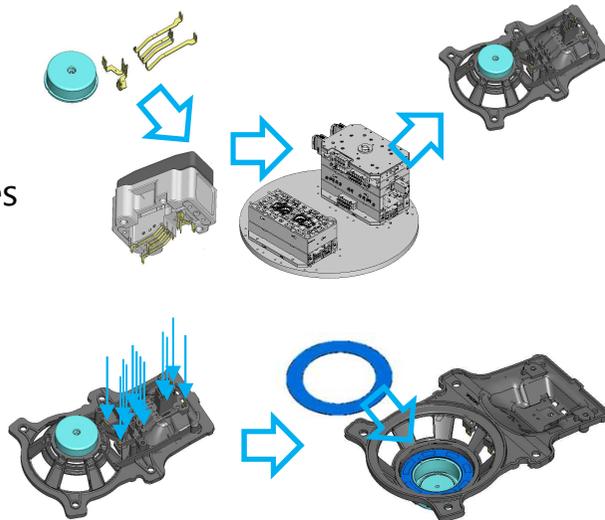
- Manual assy of components



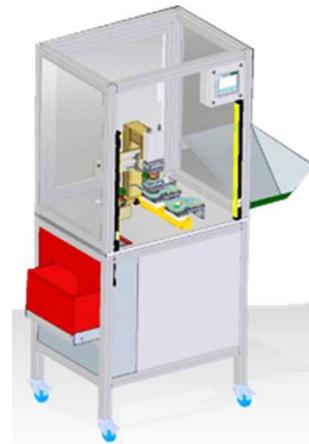
- Assembly of gaskets, scrims



- Semi automatic-, complex assembly, testing



Simon produces jigs, testers, adaptors



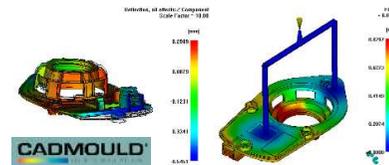
Services - Engineering

Complete engineering service from 3D until serial production:

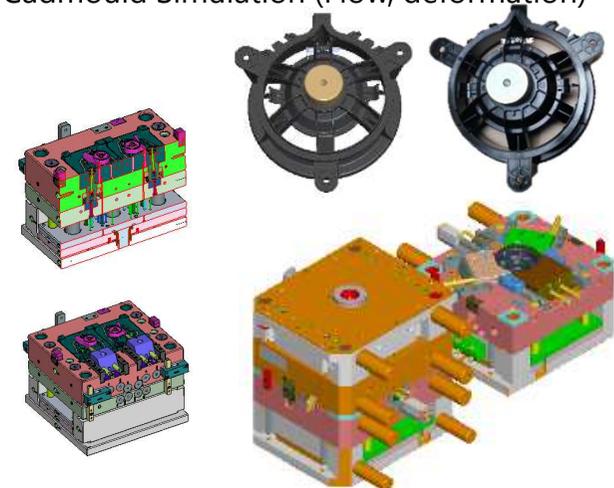
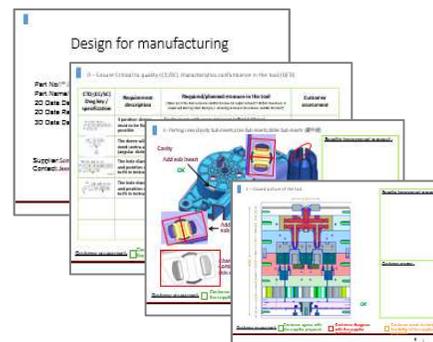
- APQP,
- Feasibility
- DFM, Part design proposals
- Simulation (Cadmould)
- Process development
- FC, FMEA, CP, MSA, Capa
- Tool building local / Far East
- High value added projects with sub-assembly
- Special machine & layout
- PPAP L3

Design, produce, maintain:

- Assembly equipment
- Gages, jigs, testers,
- Leakage adapters



Tool design: DFM, NX, Creo
Cadmould Simulation (Flow, deformation)



Services – Toolshop, Molding technology

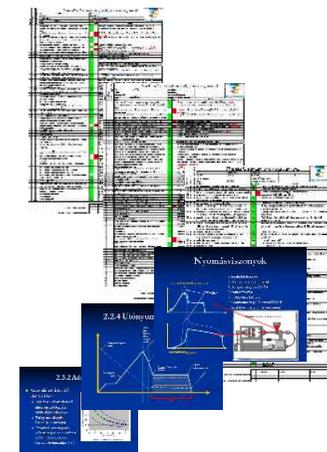
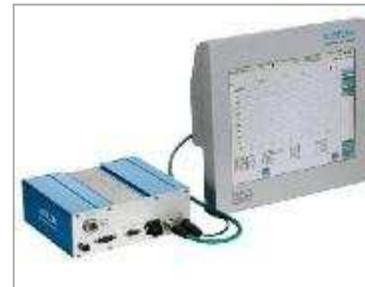
Fully equipped toolshop

- 800 active tools.
- Maintenance, spare parts, repairs,
- Overhauls
- Conversion kits
- Mold manufacturing managed: Far-East, Hungary
- Resident tool engineer Far-East
- New toolshop since in 2017. Apr



Technology: 53P, Kistler as standard

- Systematic technology determination (DoE, 53P, scientific molding).
- Tool cavity pressure sensor technology (Kistler, Comolnjection)
- Machine tolerance control, equipped with, automatic separation (Quality switch, robot)
- Robot heads designed, produced internally



Laboratory



Mitutoyo measuring scope



Keyence image dimension measuring machine



Plastics lab:
Aboni Hydrotracer (moisture analyzer)
Si Analytics (Viscosity measuring)
Göttfert (MFI Tester)



Measurement laboratory

Services – Logistics

- Logistic
- Storage & Freight

High warehouse 4500 pallets



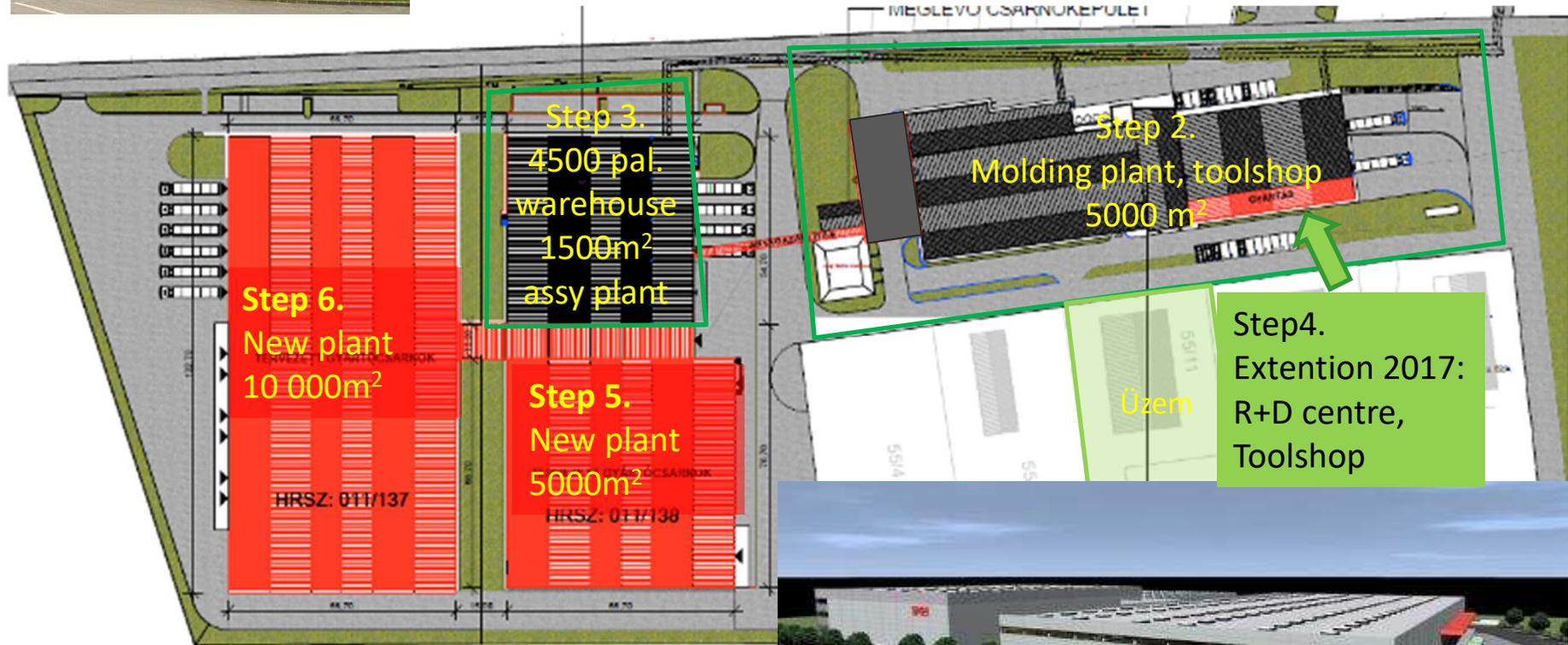
- ERP system throughout whole planning + production process.
- Barcode controlled warehousing for raw materials, components, packaging, semi-finished goods and finished goods.
- Full traceability ensured.
- Inland freights are made by our own vehicles.

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ERP powered by:



Investment: Kőszárhegy (Step 4-5)



Thank you!

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Contacts

SIMON Plastic

Peter Simon CEO
Roland Hornyak Op. Manager

József Hauser
Business dev. leader.
hauserjosef@simonceg.hu

www.simonceg.hu

