



OTC DAIHEN EUROPE GmbH

CREATING METAL ARTISTS

CompactArc-Basic

01-2023



1. Headquarter DAIHEN Cooperation



Company name	DAIHEN CORPORATION
Foundation	1919
Head office	Tagawa, Yodogawa-ku, Osaka, Japan
Employees	3.800
Sales	1,2 Mrd. €

1919 Start of OTC in Osaka

1919 Flotation

1982 Foundation OTC DAIHEN EUROPE

1996 Foundation OTC DAIHEN USA

1997 Foundation OTC DAIHEN China

2011 Foundation OTC DAIHEN India

2012 Acquisition DAIHEN VARSTROJ Slovenia

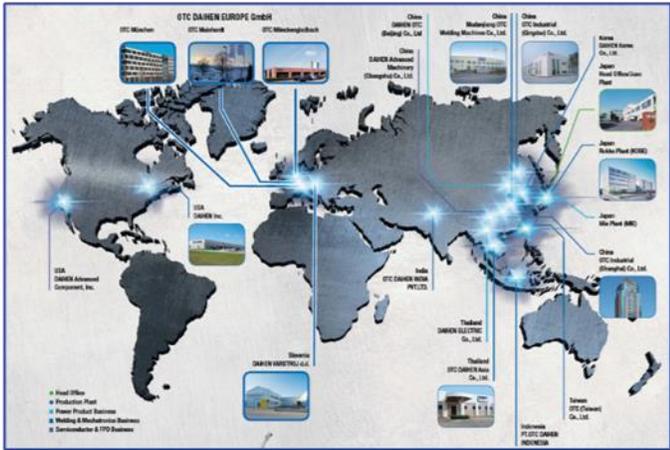
2016 Foundation OTC DAIHEN Mexico

2016 Opening branch office OTCE in Munich

2017 Opening branch office OTCE in Mainhardt

2019 Acquisition LASOtech in Suhl/Germany

2022 Acquisition FEMITEC in Täferdingen Germany



Business Fields

Power Products Business

- Substations
- Solar power generation equipment
- Power-receiving facilities for plants and buildings
- Electric power distribution equipment



~ 530 Million € Sales
47.4% Sales ratio by business segment

Welding & Mechatronics Business

- Welding machines
- Submerged arc welding
- Clean transfer robots
- Welding robots
- Handling robots



~ 350 Million € Sales
31.2% Sales ratio by business segment

Semiconductor & FPD Related Business

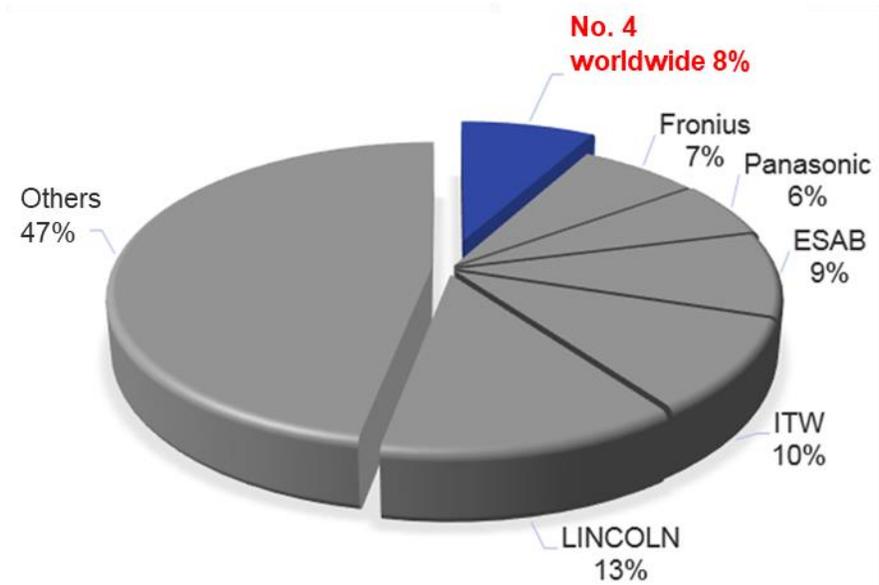
- Power supplies for semiconductor manufacturing equipment



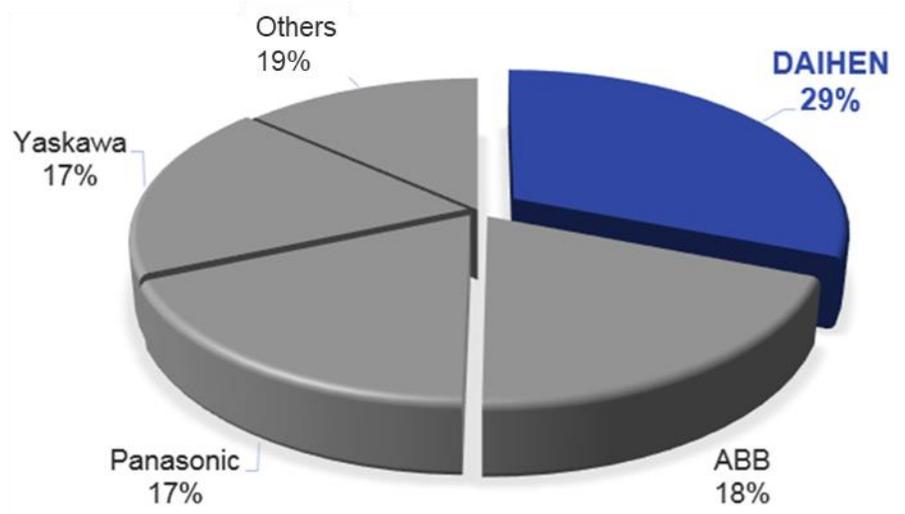
~ 240 Million € Sales
21.2% Sales ratio by business segment

2. Global market share

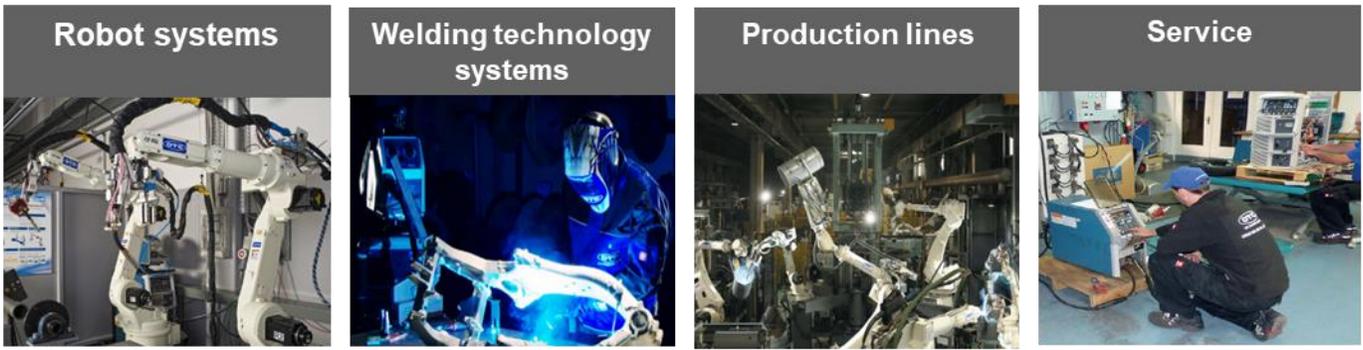
Welding machines



Arc welding robots



3. OTC DAIHEN EUROPE Product- & Business fields



OTC DAIHEN EUROPE cooperates with many significant international companies in the welding and automation sector in the following business fields



OTC DAIHEN EUROPE has a strong relation to various global institutes and associations in the field of research & process development



4. OTC DAIHEN EUROPE - Network

Development of the OTC Group in Europe with 310 employees at 6 locations



Headquarter Mönchengladbach



Munich Office



Production Suhl



Production Lendava (Slovenia)



Competence Center Mainhardt



Production Täferdingen

5. OTC DAIHEN EUROPE – Field of activity



(Mönchengladbach - Munich - Mainhardt)



(Lendava, Slovenia)



(Suhl)



(Neusäß)

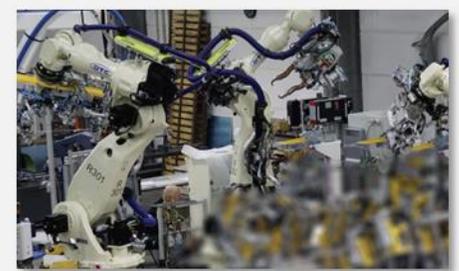
- Sales, service and supply chain of OTC products for the European network
 - robots and external axis (positioners, sliders, gantries)
 - welding machines and accessories
 - sensors and software
 - demonstrations and test welds
- Design and construction of key-ready robot automation systems in the field of welding application and handling



- Production of OTC welding machines
- Production of CNC cutting machines and -robots
- Design and construction of automated welding and cutting cells (mechanized and robot-armed)
- Production of positioning technology and robot cell safety devices



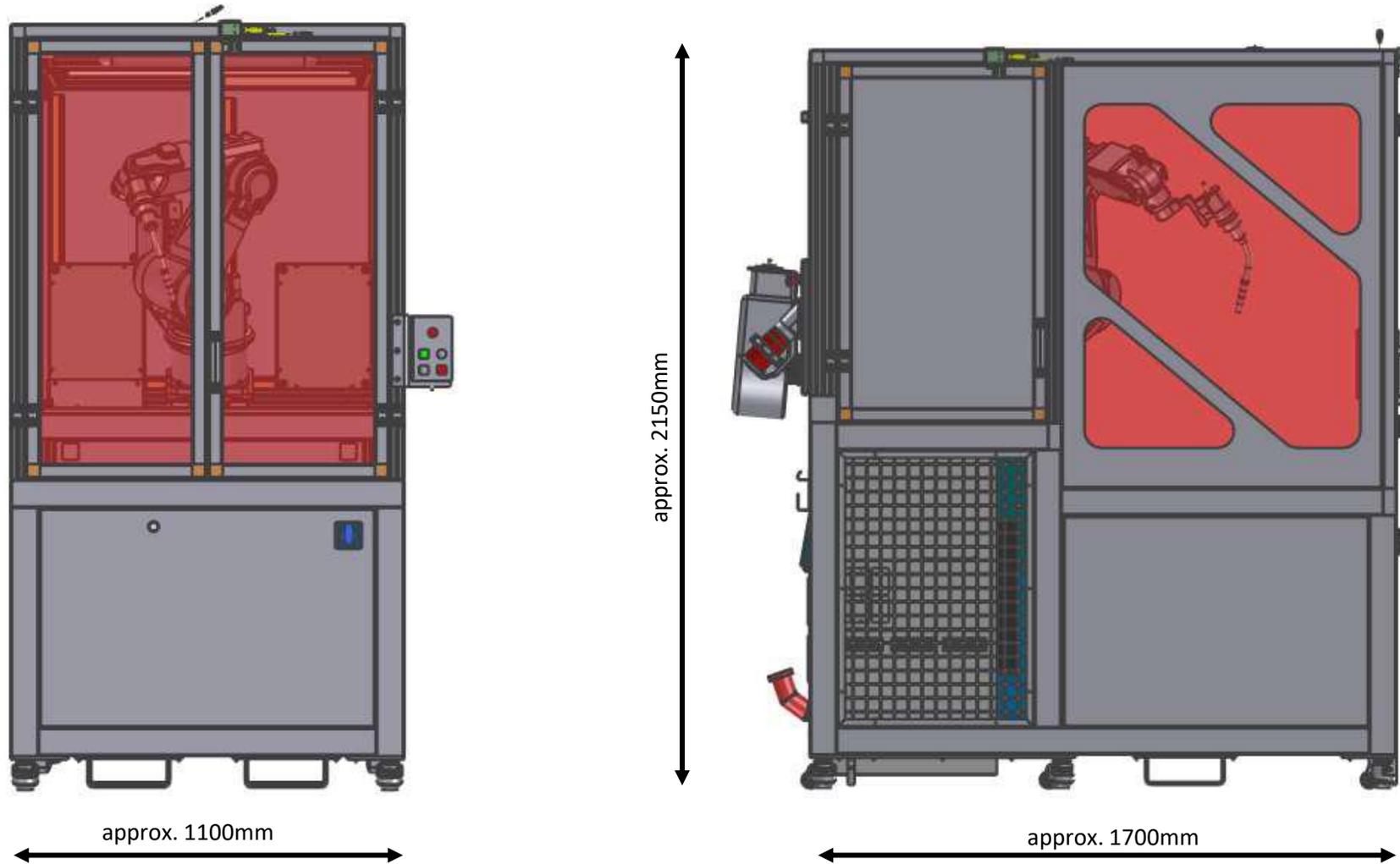
- Specialist in robot system integration
- Automation projects in the areas of:
 - welding
 - handling
 - sealing
 - laser processing
 - grinding
 - screwing



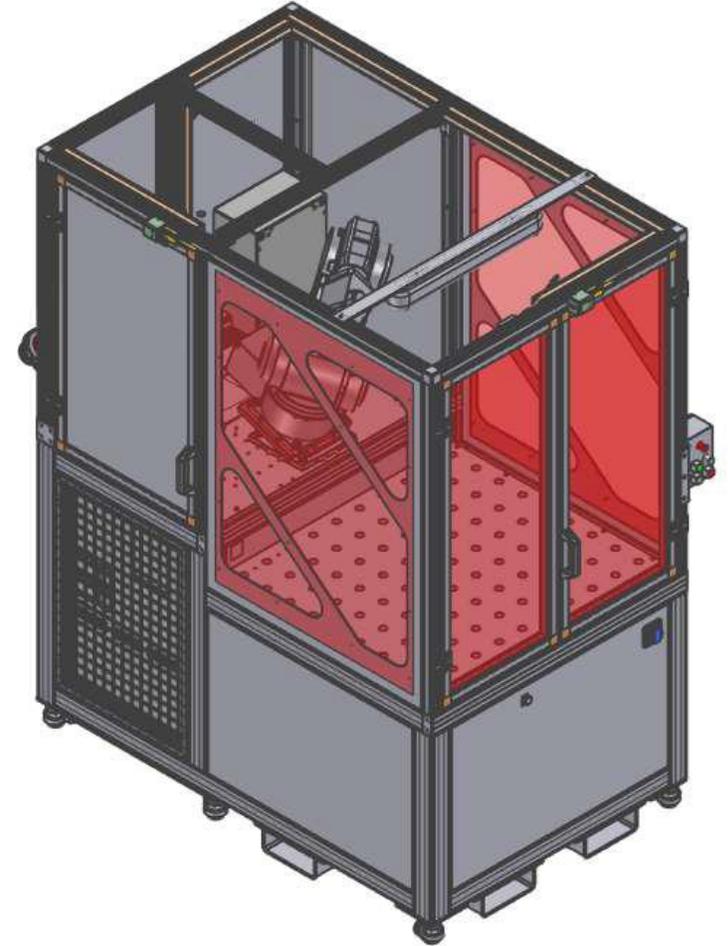
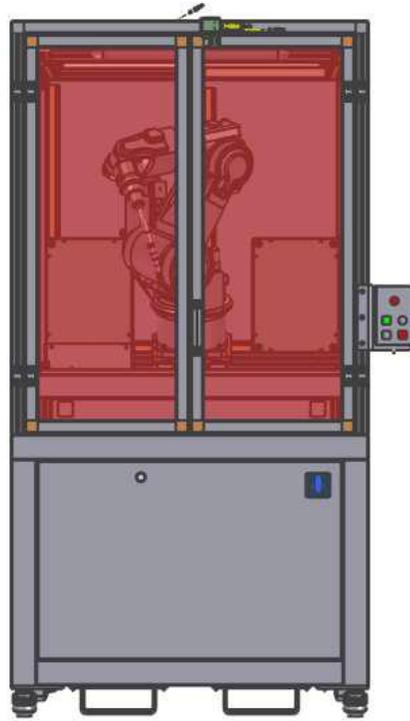
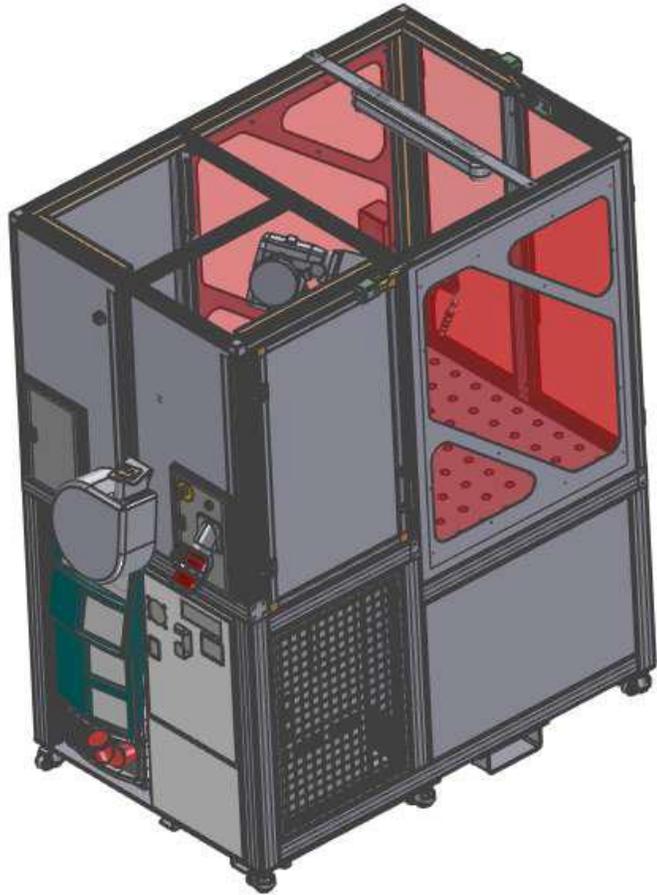
- Design and construction of key-ready robotic automation systems
- Simulation in the FA area
- Camera based production processes
- Development and construction of component positioners and clamping devices
- Development and construction of mobile robot systems



6. Layout



6. Layout



7. OTC 6-axis arc robot



1 pc. 6-axis-welding manipulator, type: FD-H5

max. payload capacity : 5 kg
Positional repeatability : $\pm 0,05$ mm
Working range, P-Point : $\varnothing 1.732$ mm
Connection cables : 5mtr.

1 pc. robot controller, type FD-19 incl. PLC

Memory capacity : 160.000 instructions/9999 programs
Number of control axis : max. 54 axis
General physical I/O : 40 points
Advanced parameter selection function (APS)

1 pc. teach pendant

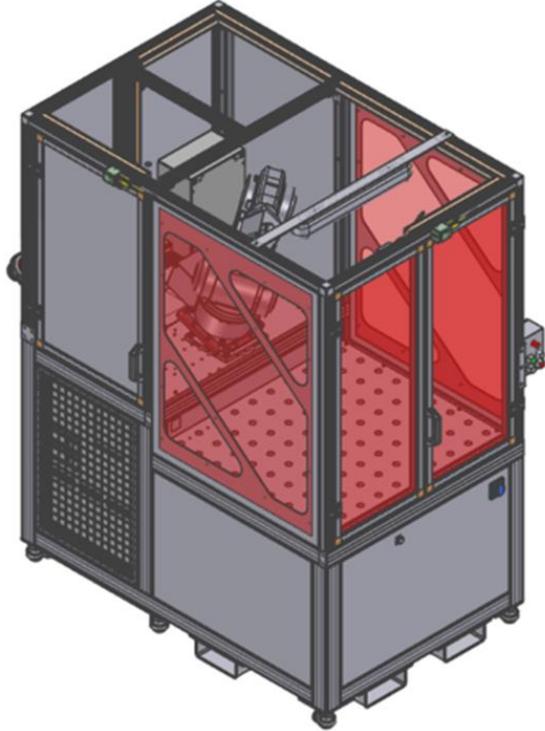
Colour touch screen display(5,7") 640x480 dot VGA
Intuitive function control function (IFC)
Log-in function by password and classify user by level
Multi-window display function and easy programming mode (Icon display)
Connection cable, 8mtr.

1 pc. Operation box



7. CompactArc matrix

CompactArc-basic



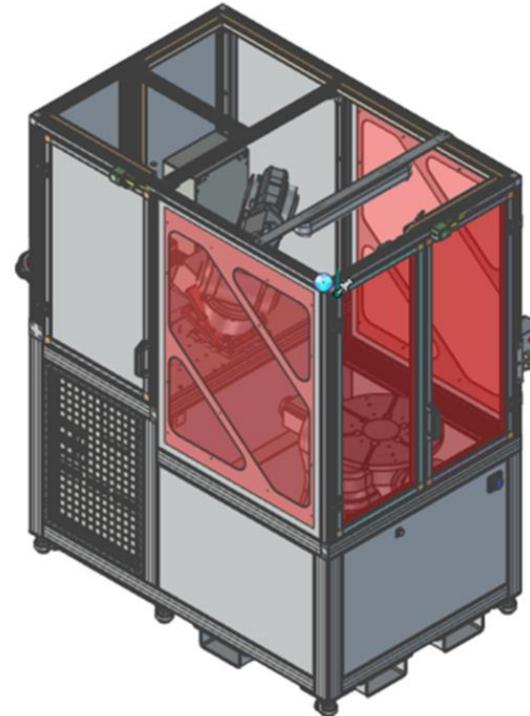
OTC robot, type FD19-H5

CompactArc-advanced



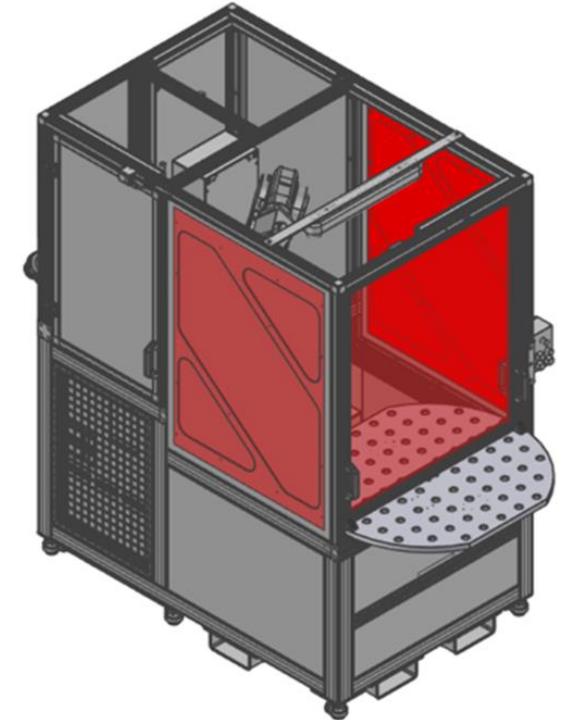
OTC robot, type FD19-H5
OTC headstock, type PB252-E
OTC 1-axis modikit
OTC software, Synchromotion

CompactArc-professional



OTC robot, type FD19-H5
OTC tilting positioner, type PF301-E
OTC 2-axis modikit
OTC software, Multi-Synchromotion

CompactArc-2 station



OTC robot, type FD19-H5