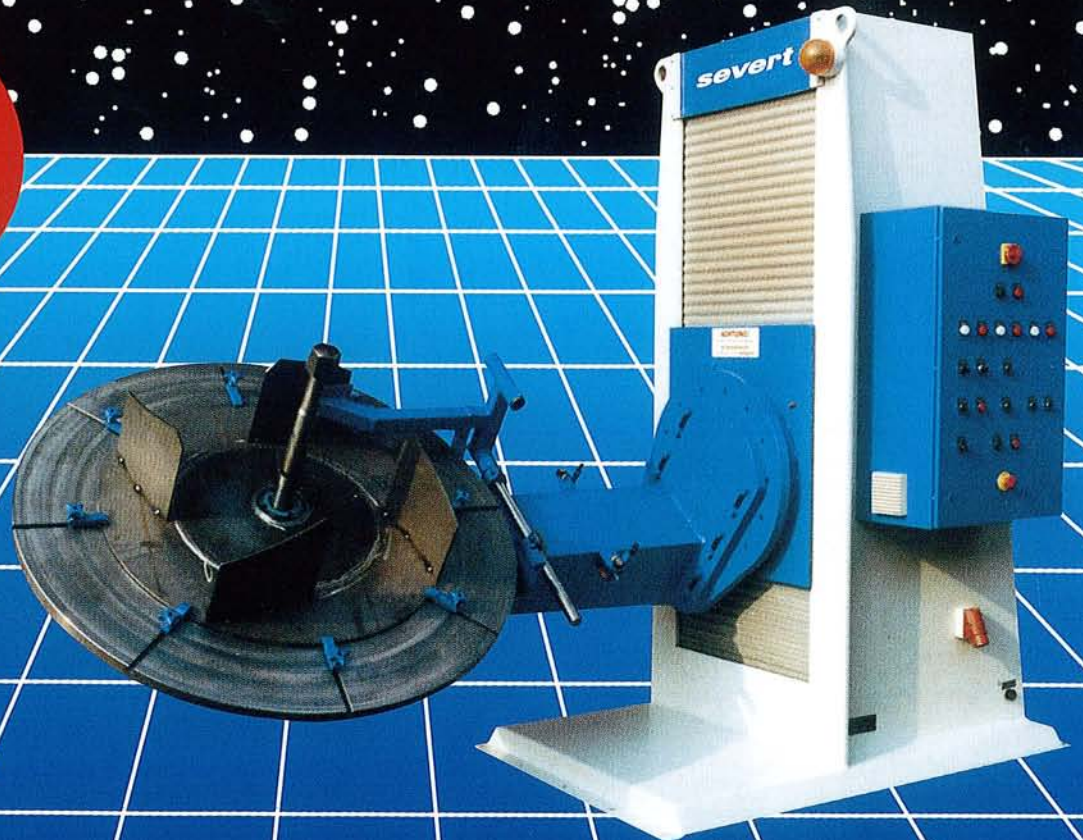


severt

ROBOT- AND HANDLINGTECHNOLOGY





ABOUT US

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The company SEVERT is a medium-sized family enterprise, located in Vreden / western North Rhine Westphalia. Since the company was founded by Wilhelm Severt in 1964, we have gained a very good reputation in the fields of special purposed machines, application of robots and the production of welding assemblies. An own production was established in Poland in 1997. Due to our modern plant (i.a. positioner up to 10 t, large CNC boring mill, 500 t press) and our highly qualified staff (large aptitude certificate as per DIN ISO 18800-7, DIN 15018), we are able to meet highest requirements. Our own flame cutting center, equipped with two large flame cutting

machines, various fasrobots and one jet unit to ensure high quality, also serves this aim.

We are applying our own robot units for various ranges of application, i.a. welding of parts, for the car-, plant- and excavator production. Therewith we are able to add substantial experience and knowledge on drawing up and executing your plants.

Our high quality requirements are documented amongst others by the ISO certificate DIN ISO 9001.



You can also contact us, if a demand on welding components and flame cutting parts (specially with bevel edges) arises.

POSITIONERS



We have been a leading manufacturer of different series of workpiece-positioners for over 30 years. Our positioners with load-bearing capacity from 250 kg to 40,000 kg (daN) are applied for example at the fields of welding, assembling and workpiece handling.

THE MOST IMPORTANT ADVANTAGES:

- ◆ workpieces can be positioned on three axis at the same time
- ◆ each seam is to be welded in „down-hand-position“ (improving the welding quality)
- ◆ ergonomic working posture of the operator
- ◆ the bracket design makes handling of large dimensioned components possible
- ◆ no costly rechucking of workpieces necessary → lowers the risk of accidents → reduced utilization of the crane
- ◆ reduction of the production time of 20 - 40% in practice



SEVERT POSITIONERS

come into application at manufacturers of i.a.:

- construction machines
- industrial trucks
- agricultural machines
- vehicles
- ventilators
- welding components etc.



Application at a construction machine manufacturer component weight 13000 kg

ROBOT PLANTS



INDIVIDUAL MANUFACTURING DEMANDS REQUIRE
INDIVIDUAL ROBOT SOLUTIONS

With the extensive experience, gained from the application of robots at our customers and within our own production, we are able to offer full systems, custom-made for the respective application.

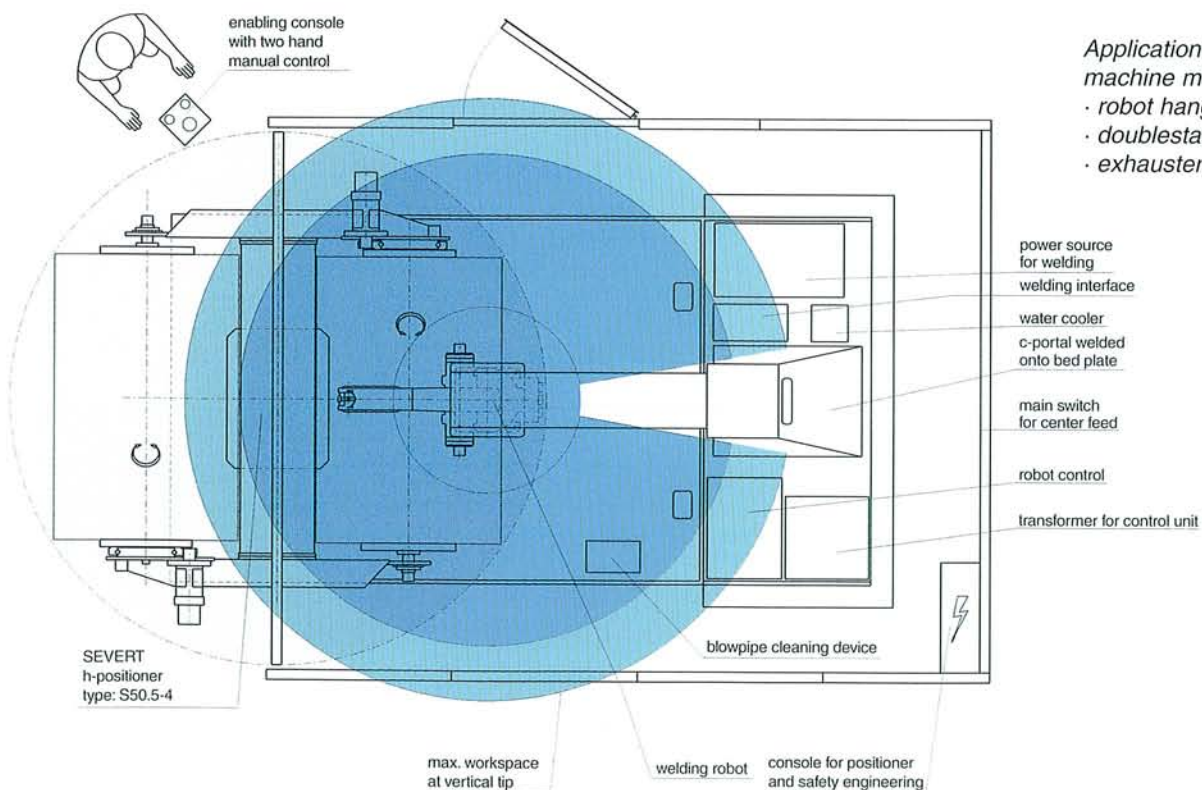
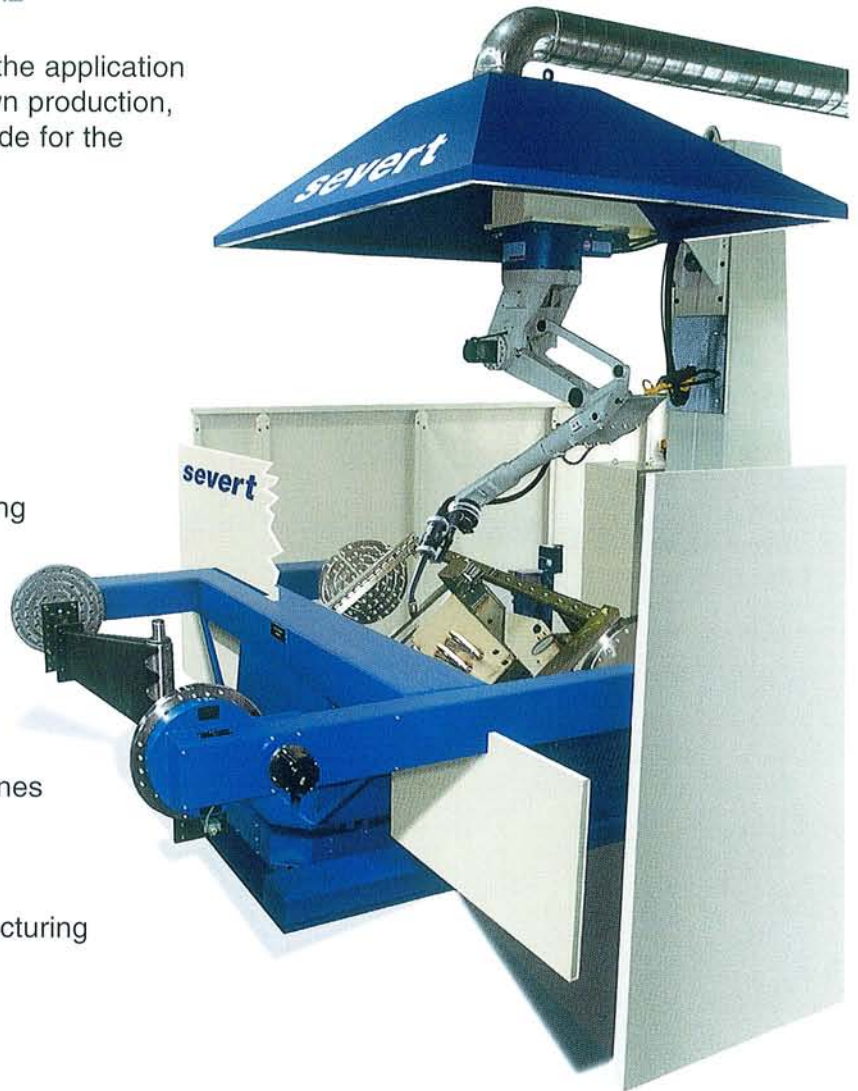
TURNKEY ROBOT PLANTS:

- planning - design - documentation
- controlling - programming - external axis
- handling technology - process equipment
- devices (to customer specification)
- welding technology - cutting technology
- handling systems
- safety engineering - equipment connection
- erection - testing - assembly - commissioning
- training of the personnel - service

We are applying various types of robots.

APPLICATIONS:

- automobile subcontractors
- commercial vehicles / motor manufacturing industry
- agricultural engineering / agricultural machines
- piler / industrial trucks
- construction machines
- white metal / metal sheet processing
- subcontractor industry / component manufacturing
- conduit processing / rod industry
- grates
- and many others more



Application at an agricultural machine manufacturer:

- robot hanging on a c-portal
- doublestation-positioner
- exhauster

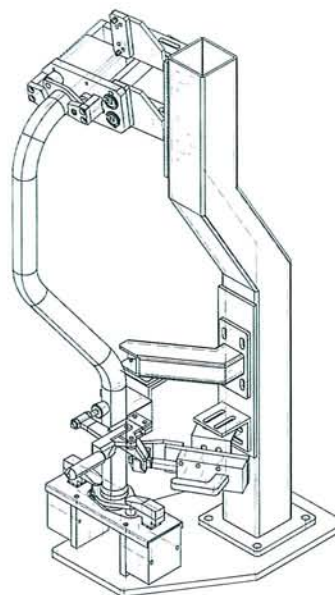
SOLUTIONS TO CUSTOMER SPECIFICATION



ONE OF OUR STRONG POINTS IS THE DEVICE
PRODUCTION

Severt is offering the respective solution from
construction, over production to integration into
the total plant.

Due to our experience leading from very
different fields of application, we are able to
react flexibly to your requirements.



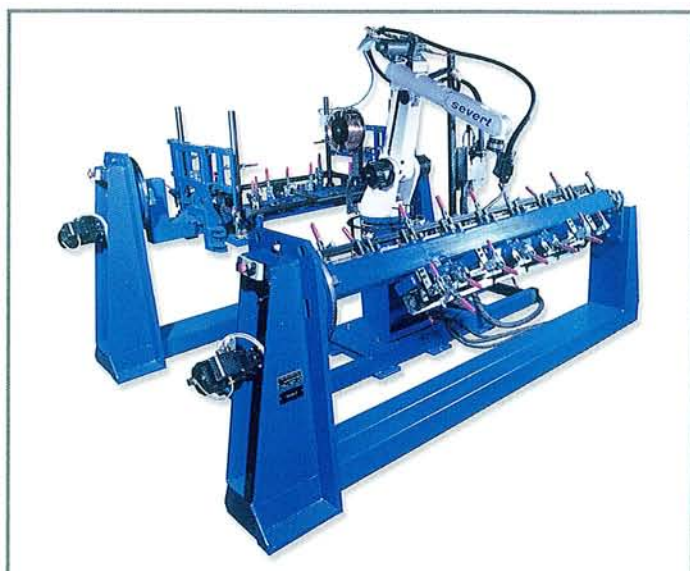
*Device for an automobile
subcontractor
(exhaust gas engineering)*



FOR THE APPLICATION OF ROBOTS
we are manufacturing traversing systems,
portals and positioners of different series
and control models.



Robot on Severt-traversing system, series S 80



Robot-device with positioner series S 40



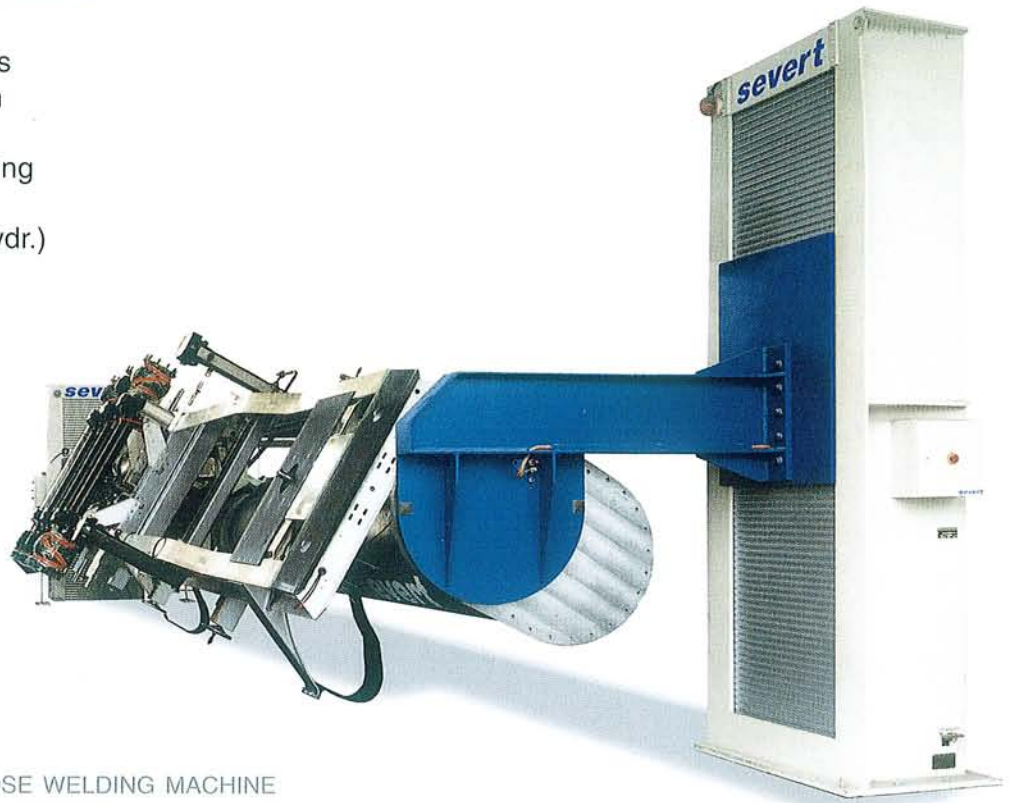
Robot for depalletization and emptying of plastic granulate

EXAMPLES FOR APPLICATION IN THE TRAILER MANUFACTURING INDUSTRY



DEVICES FOR THE FIELD OF COMMERCIAL VEHICLES:

- chassis tack welding devices
- rotation positioners for finish welding
- chassis positioners and drilling devices
- chassis levelling devices (hydr.)
- special devices for welding



LONGITUDINAL SPECIAL PURPOSE WELDING MACHINE with hydraulical adjustment of the bottom flange

Operating cycle:

- inserting the component parts
- tensioning - cold forming - tack welding
- 2 seams are simultaneously and automatically welded

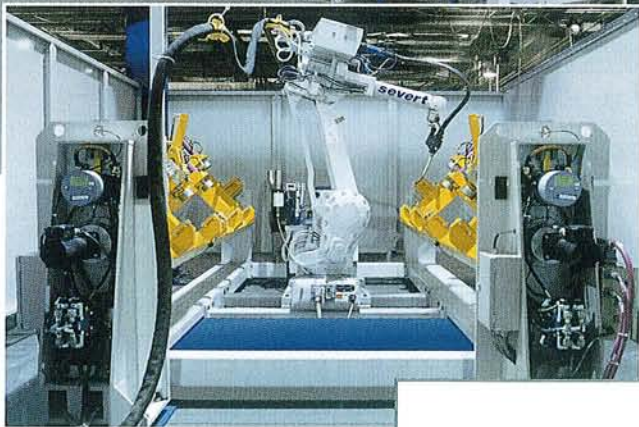
Application: chassis for tanktrucks (welding and assembly)

By the staggered arrangement of the machine holder, the finish assembled chassis leaves the workplace on its „own wheels“.





PRODUCTION LINES · LASERS



Production line with robot-cells and automated component transport for welding and cutting vehicle components.



You will also find further information and how to find and contact us on the internet.

www.severt-gmbh.de

Lasercutting plant for thin-walled exhaust pipes

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