

The Kesselbach plant



Into the future with vision and goals

The space to create something new, something great, for your products. Making room for new technology, further increasing quality standards and offering our employees a modern, forward-thinking workplace in the Rheintal region.

We see our Kesselbach plant as a piece of the future.



Rapid developments

1972 was the year when this resourceful company, which in 1980 became known as August Manser AG, was established. Over the decades, it developed into an established, responsible family business boasting highly qualified staff.

The new plant in Kesselbach, located in direct proximity to the head office, paved the way for new ideas, innovation and vision. We also offer attractive, ergonomic workplaces and state-of-the-art production methods. The total floor space for both plants is 16,400 m², with capacity for consultancy, engineering, shop floor, assembly, warehouse, logistics and administration departments.

This is another milestone for this forward-thinking family business.



**August Manser**

It all began with a vision – getting started as an independent company. The years may have faded but our vision remains intact. By expanding our operations, we are creating a solid basis where we can make our ideas and dreams a reality.

Heidi Manser

For a long time now, we have led this company through the good and (some) bad times, with plenty of enthusiasm, courage and dedication. We aim to anticipate changing times so that we can adjust our sails and stay on course.

Michael Manser

The cornerstone of our company is a team of motivated and dedicated employees. We all join forces to show our passion for our customers' products.

Yvonne Schuler-Manser

With our motivated and committed employees who do their best every day, think creatively achieve great things, I see a positive future for all of us together at MANSER.

The 5,400 m² shop floor area

The new production hall at the Kesselbach plant: greatly enhancing the lives of our employees and customers alike.

The extensive hall at ground level provides optimum, reliable conditions for precise production. A comprehensive floor system has been developed to prevent the machine tools from interfering with each other through vibration.

Further quality measures include a computer-assisted air conditioning system, a cleaning system for extracted air that guarantees excellent air quality and a stable temperature, and a state-of-the-art lubrication system.

All parameters have been set to ensure ideal working conditions. This allows us to implement our core expertise, "producing technically demanding products" under the very best conditions.



Thomas Dietsche,
Production Manager







Redefining standards With the new class 1 measurement room

One of the main features of the new production hall is a built-in class 1 measurement room (standard VDI/VDE 2627-1).

It plays an important role in helping us satisfy the constantly increasing customer demands. The new spaces and incorporated sophisticated technology enable us to

guarantee the highest levels of process reliability. Room conditions such as temperature and air humidity are continuously monitored and recorded. This ensures that the conditions are traceable at all times.



“The analysis of measurement values is fundamental to improving and developing our products and an exciting aspect of my work”.

Christian Räss,
Measurement technology

The measurement room class	1
Description	Precision measurement room
Typical measurement task	Precision measurements
Set temperature	Standard reference temperature e.g. 20°C
Permitted deviation	+/-0.4 K
Changes in temperature overtime: per hour per day	0.2 K/h 0.4 K/d
Spatial changes in temperature: K/m	0.2 K/m

Classification of class, in accordance with excerpt from VDI/VDE 2627-1



More room for new ideas

The light-filled, ergonomic design of our office rooms and CAM and CAD work stations all support the focus of our work. Our employees should benefit from optimum conditions while they go about their work. Our MANSER apprenticeship scheme guarantees

that future specialists are well prepared for their upcoming tasks. As well as focusing on key expertise/technical skills, special emphasis is placed on drawing from trainees' own experience and developing social skills.



Working, feeling good and being productive





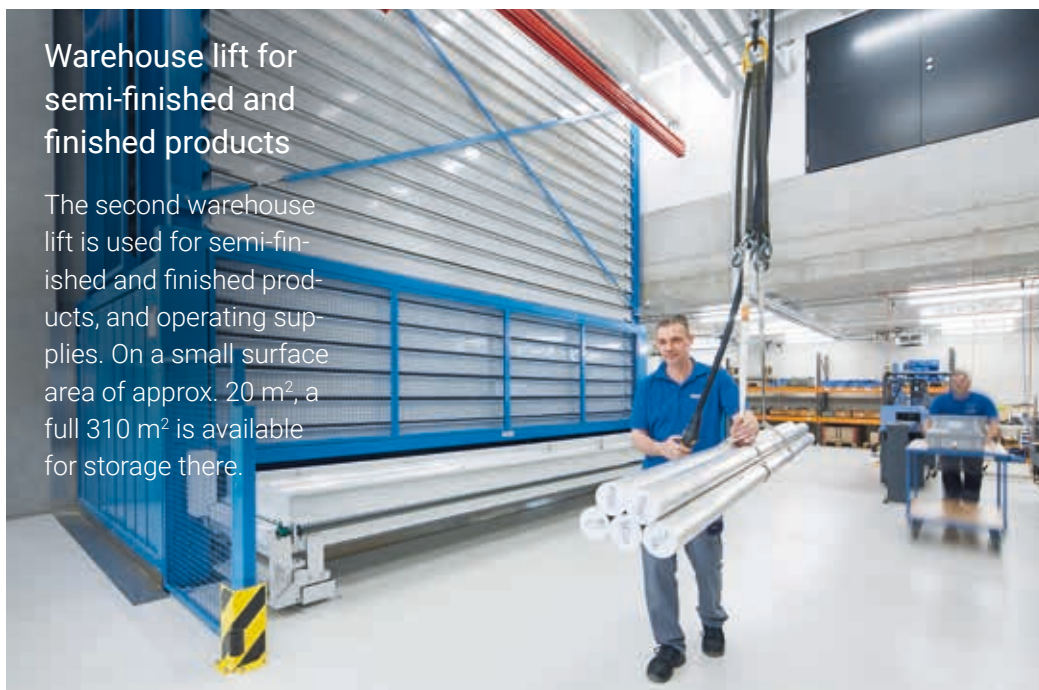
Logistics

All goods dispositions are processed in the logistics area. The logistics area is ideally located, and routes

to warehouse lifts and the production area have been optimised to ensure goods can be moved as quickly as possible.

Warehouse lift for semi-finished and finished products

The second warehouse lift is used for semi-finished and finished products, and operating supplies. On a small surface area of approx. 20 m², a full 310 m² is available for storage there.



The raw materials warehouse

A warehouse lift for stock, with a load capacity of around 160 tons, has been installed to ensure quicker delivery times. It extends over two floors. In a surface area of approximately 32 m² only, there is space available for around 430 m² of our raw material.



Cleaning

Any workpieces ordered from MANSER are supplied ready to use for its customers. The most modern cleaning systems

– with fully desalinated water – ensure that no residual limescale remains. Various cleaning and rinsing processes, as well as

subsequent drying, ensure that the highest levels of cleanliness are achieved.



Packaging

Our expertise and passion goes into all the single pieces and modules we have produced. That is why we place such immense importance on the right kind of packaging.

We take future generations into consideration.



We want to leave the smallest possible footprint behind us. We save resources and treat the world we live in with respect. A 300 kWp photovoltaic system on the roof of our building satisfies a considerable proportion of our total energy needs. Waste water is kept to a

minimum through intermediate cleaning and re-use. We also have efficient systems for recycling the heat generated from production. In our production hall, modern, generously-sized air filter systems guarantee excellent air quality and filtering.

Efficient heat recovery allows us to save energy while maintaining the ideal room temperature.



Whether it is waste water, leftover materials or waste, we are careful to be sustainable and environmentally friendly across the board.

A centralised lubrication system is located in the basement to centrally

prepare cooling water for the machine tools. This gives us some important benefits: on the one hand, the waste removal intervals are extended significantly, on the other hand it also has a positive effect on the quality of parts. Materials

management and recycling are highly important for us and part of the way we see our materials cycle, as well as how carefully and sustainably we treat our environment.



Chiara is ten years old and the proud daughter of our long-serving employee, Roland Sonderegger, CNC machinist.

In the months during construction, she was able to see at first hand how pleased her dad was with the refurbishment. The wait was over in summer 2017. Then he could finally move into the new building. She is chatting with us today about her impressions and observations.

Hi Chiara. Thanks for coming to your dad's work today and sharing your views with us.

Do you think your dad likes it here in his new workplace?

Chiara: Oh yeah (laughs). My Dad is always telling us about all the great things here. He loves going to work.

Has he also told you and your mum what makes him so happy here?

Chiara: Yeah, all the time. He's told us a lot! Especially about the great big windows and how it's really bright where he works. And that it's easy to make the tables higher so he can work really well. Oh and there's a plastic thingy on my Dad's bunch of keys which he uses to open doors, just like that, without a key. And everyone here is so helpful. He also showed me his machine where he works all day. Well, perhaps I didn't understand everything he showed me or said. But when I saw the big machine (CNC 5-axis milling machine), I thought, "Woooooow, that's huge!".

And he his colleagues all like to hang out together a lot. It's not really like that in my class. He's really lucky there.

What do you specially like here?

Chiara: Everything is sooo enormous here (she stretches both of her arms out wide). There are also many rooms where you could hide. There are tons of computers all over the place. The pistols are really cool. Loads of air comes out when I press on them.

If you came to work tomorrow instead of your Dad, what things you would like to do here?

Chiara: Now, that's a question. Oh, I've just thought of something really important. I want to build a robot for our house. I could make the parts for it here. And Dad will have to go to school for me (laughs).

Chiara, dear, we really enjoyed chatting with you. Thank you so much.

FACT BOX

The new plant in figures:



5,400m²

shop floor, warehouse, logistics
on the first floor
and the basement



3,400m²

space for ideas
on the second floor



1,700m²

office space
on three floors

TIMELINE

321

DAYS YEARS MONTH

PLANNING PHASE

CONSTRUCTION PHASE

PROJECT START
26th June 2015

PLANNING
APPLICATION

**6th Decem-
ber 2015**

CONSTRUCTION START
11th April 2016

CONSTRUCTION PERMISSION
21st March 2016

COMPLETION
29th July 2017

SHELL CONSTRUCTION
1st February 2017



606,000 kg

iron/steel



5,300 m³

concrete



6,900 m³

excavated material







MANSER innovation

As a professional partner to our customers, it is our fundamental responsibility to look toward the future. We plan ahead, show initiative, and have the courage to embark on new challenges.

Our passion is combining ideas with knowledge to produce innovative products. It is this approach that ultimately leads to our success.

» **manser-ag.com**

August Manser AG

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