

REPAIR WELDING
FAST. COMPETENT. SAFE.

ANDRITZ

Repair Welding.
Fast. Competent. Save.

Welcome to ANDRITZ Schuler. As a technology leader in forming technology, ANDRITZ Schuler supplies equipment, dies, process know-how, and services for the entire metalworking industry.

Today, comprehensive services for press and automation technology play a decisive role in forming technology. ANDRITZ Schuler Service is here for you as a reliable partner offering customized service concepts. More than 750 service employees work around the world. They ensure economical parts manufacture on more than 150,000 installed systems.



Our skilled welders have years of experience in press technology.

THE RANGE OF SERVICES:

- Rapid damage assessment
- Expert advice, analysis and calculation
- Prompt determination of measures and quote preparation
- Practice-based support: needs-based emergency, medium-term or long-term solutions
- FEM calculations together with the specialists in Service and new machine engineering
- Welding repairs carried out on site at the customer's facility
- Welding repairs at the welding shop
- Development of optional measures to reduce tension

YOUR BENEFITS

- **Cutting-edge technical welding solution thanks to expertise in new system development and service**
- **Optimized processes due to a combination of engineering and welding technology**
- **Extensive specialist knowledge about strain and tension in the systems**
- **Cause analysis by ANDRITZ Schuler's team of expert engineers**
- **High-quality and long-lasting repairs by optimizing welded constructions**
- **Use of high-quality equipment**
- **Qualified and flexible welding technician with years of experience in press technology**
- **One contact partner for the entire project**

Short-Term Solution with Emergency Welding.



A qualified repair job can provide many more years of trouble-free service.



Repair welding without further structural measures.

As forming specialists, we know the stresses on forming equipment and offer the right solution to ensure that your production is quickly up and running again.

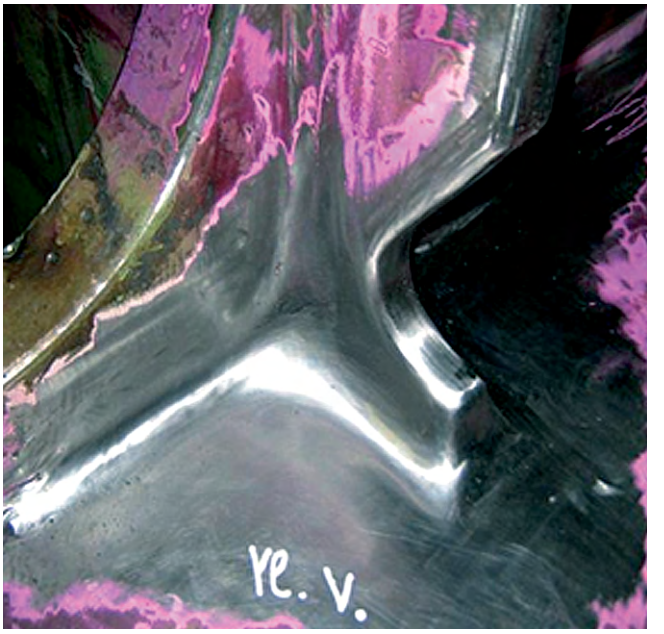
The machine bodies of forming systems normally fulfill their functions for decades without any serious defects. However, should wear-and-tear damage arise, then an expert repair can ensure many more trouble-free years to come. ANDRITZ and non-ANDRITZ presses must damages assessed by a qualified expert to assure welding work is carried out correctly and professionally.

SHORT-TERM SOLUTION WITH EMERGENCY WELDING.

If a quick response is required in the event of damage, and the structural component of the solution is very minor, then we carry out emergency welding right away as a short-term solution. We take any subsequent activities into account to minimize downtime. However, this measure has limited fatigue strength.

Medium-Term Solution for Limited Subsequent Availability.





Repair welding with welded-on and low-notch ground metal transitions.

MEDIUM-TERM SOLUTION FOR LIMITED SUBSEQUENT AVAILABILITY.

If a reliable cause analysis is required in the event of damage and various elements need to be taken into account to optimize the force flow, then a medium-term solution is required. We develop this in close collaboration with the customer, the Engineering department and Welding technology.

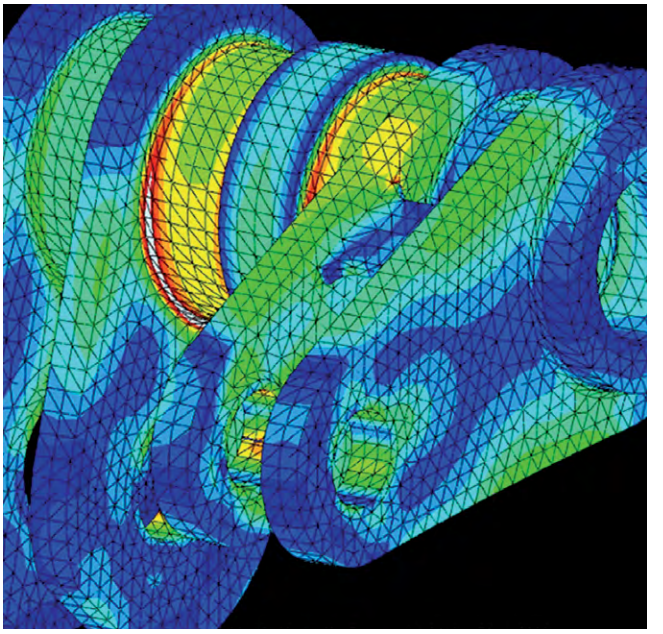
- Expert damage analysis
- Detailed knowledge of the structural design of the system required
- Economical solutions
- Project management
- Repair performed by a qualified welder

Long-Term Solutions for Endurance Strength.

LONG-TERM SOLUTIONS TO ACHIEVE ENDURANCE STRENGTH.

In order to implement long-term weld solutions, structural changes to the original press design are normally required. Extensive analysis of the cause of damage and the future use profile results in a cutting-edge technical solution.

- Expert damage analysis
- Detailed knowledge of the structural design of the system required
- Economical solutions
- Solution-based collaboration between customer and ANDRITZ Service
- Repair performed by a qualified welder
- FEM analysis as required
- Project managemen



The FEM analysis provides reliable data.

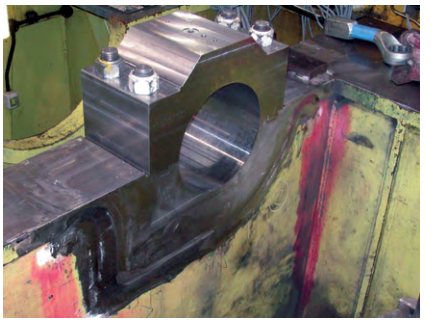
EXAMPLE



Cutting out the bearing.



Welding a new reinforced bearing with optimized force flow.



Weld seams ground smooth with low-notch and bearing diameter finished.

THE ANDRITZ SCHULER COMPETENCE

Offering customized cutting-edge technology in all areas of forming – from the networked press to press shop planning. In addition to presses, our products include automation, dies, process know-how and service for the entire metalworking industry. Within the ANDRITZ Metris platform, we combine digital solutions for networking forming technology and develops them continuously to further improve line productivity and availability.
For battery production in gigafactories, we provide equipment and service in many process steps specially for cell assembly and formation.
Our customers include automotive manufacturers and suppliers, as well as companies in forging, household appliance and electrical industries.

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