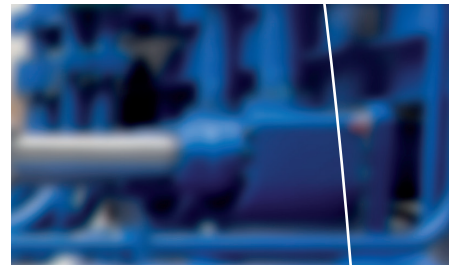
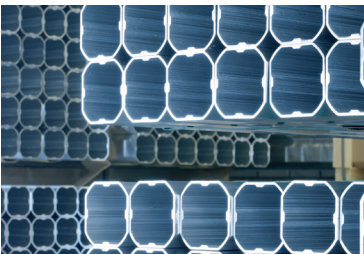




Technical service for your new extrusion press

Maintaining productivity, quality and availability



Lifecycle service

Sustainable solutions

SMS group offers customized service packages that guarantee you technical support for the first two years after commissioning of your new extrusion press.

To ensure consistent productivity, quality and availability levels for your press, we offer you a service package encompassing mechanical, hydraulic and PLC support for your new press, providing you with all-round assistance with the maintenance and productivity of your new equipment.



Each service is marked with a symbol so that each area of focus is immediately visible.

Moreover, the Technical Service team at SMS group supports you with difference service features throughout the entire lifecycle of your equipment.

Spare parts:

In addition to our classical spare parts service, we offer an initial spare parts package tailored for your new plant. This package is designed based on your needs and the recommendations of SMS group. That means your supply of spare parts is guaranteed right from the beginning. Furthermore, you can also benefit from electronic documentation with SMS group's eDoc system. This system is used for the simple and digital identification of spare parts, and even features a virtual demonstration of the extrusion press.

Trainings:

We offer you and your team training courses for the mechanical, hydraulic, and PLC equipment. These can be held locally or at the SMS group.

MIDIS+:

This system is used to control and evaluate your whole extrusion press, especially in terms of maintenance, quality and production management. What's more, with Midis we offer you the ideal interface between your ERP system and standalone machines.

METRICS:

METRICS offers you a cloud-based system for monitoring the process data from your machine, meaning you have secure access to your plant data, wherever you are and whenever you need it.



Equipment check

Solid decision-making basis

Regular checks are the basis for guaranteeing the consistently high availability of your extrusion press.

Safe planning criteria

Equipment checks provide a solid decision-making basis for prospective maintenance and repair work. The documentation helps you to identify in good time what action needs to be taken.

By implementing the necessary measures early on, the risk of wear and machine shutdowns is minimized.

Comprehensive service report

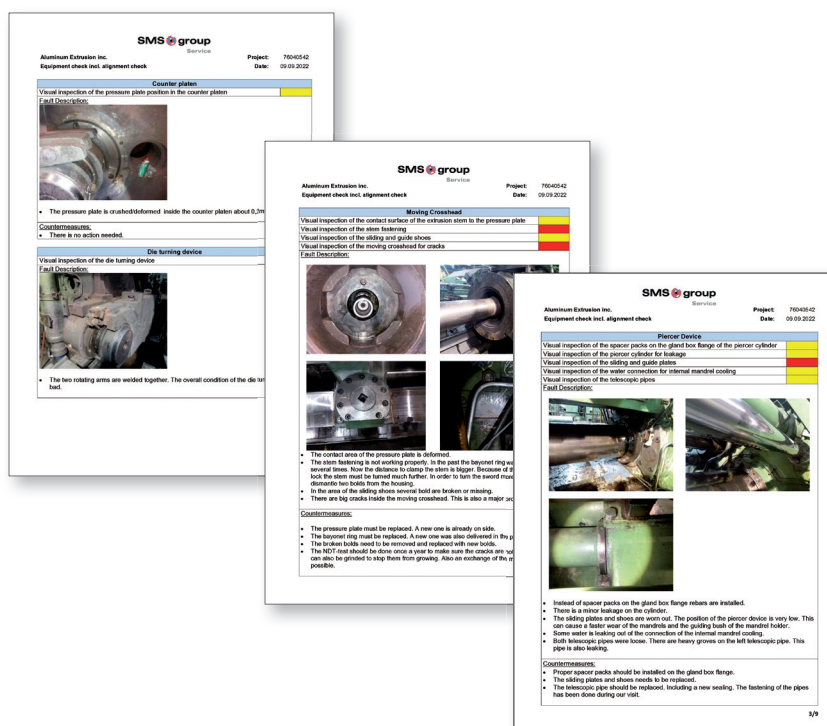
Following the equipment check, we provide you with a comprehensive service report. This report contains all the inspection results at each component level.

Based on this, you can make your own investment decisions and plan further maintenance and repair work.



How you benefit

- You can make decisions based on a detailed analysis.
- With regular tests and inspections, you can create a plant history.
- You receive specific recommendations for maintenance or repair work.
- You minimize the risk of a machine shutdown.





Alignment check

Perfect geometry for maximum quality

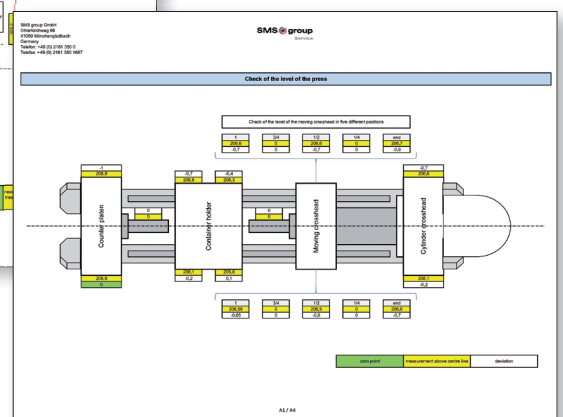
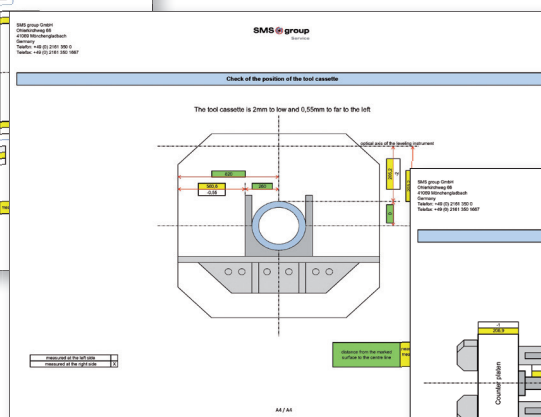
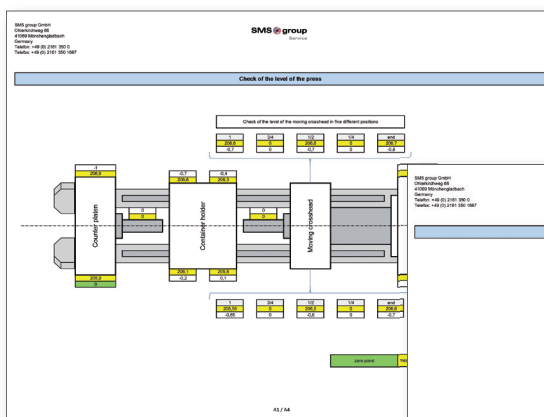
Regular inspections of the basic geometry of your extrusion press are essential. This includes even checking the alignment of single components. This provides the foundation on which your company can ensure a consistent and long-lasting level of quality for your profiles. Geometrical examinations of the whole press are required before maintenance teams can carry out effective alignments and adjustments of single components.

Our specialists take care of the geometrical examination of the extrusion press alignment.



How you benefit

- **Quality:** An aligned extrusion press provides the basis for outstanding profile quality.
- **Availability:** There is less wear on components of a geometrically examined extrusion press.
- **Plant History:** Create a plant history by performing regular alignment checks to identify changes at an early stage.





Optimization of control systems

Reducing non-productive times

Extrusion presses must withstand high mechanical loads while attaining maximum productivity and product quality at the same time.

The production-related wear of hydraulic components can have a negative impact on the process. These influences can increase nonproductive times and cause pressure peaks. The result is lower productivity and increased wear.

With hydraulic and electrical extrusion press optimization from SMS group, the system's potential is continually being exploited.

How you benefit

- **Reduced non-productive times:**
Secure your productivity.
- **Elimination of pressure peaks:**
Minimize wear and the risk of machine shutdowns.

Shorter non-productive times

Higher productivity

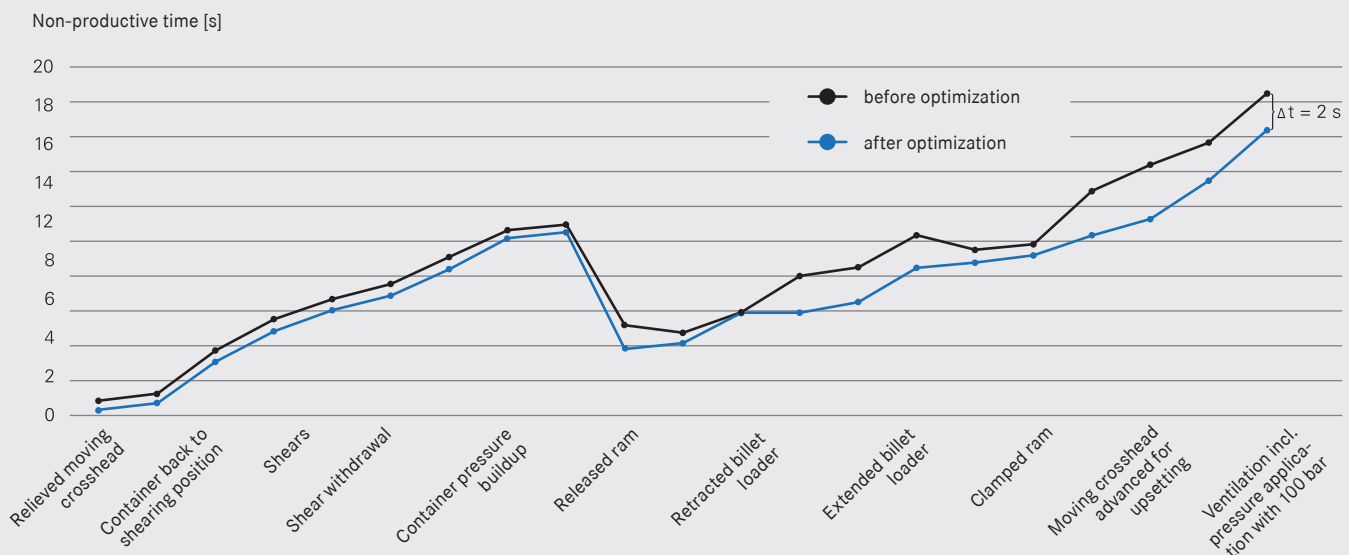
When the non-productive time of the 25-MN extrusion press is reduced by two seconds in a three-shift operation, productivity in terms of the billet charge weights increases by 19,000 kg per month.

Press: 25-MN aluminum extrusion press

Operation: 3-shift operation; 8 hours per shift, 5 days a week

Billet weight: 105.64 kg

Non-productive time B		Billet charge weight
Before optimization	18.5 sec.	1,291,000 kg/month
After optimization	16.5 sec.	1,310,000 kg/month
Increase in productivity		19,000 kg/month





The service package at a glance

No machine down-
time necessary

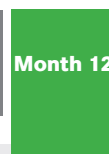
Equipment check



Month 6



Month 12



Machine downtime
necessary

Alignment check



Equipment check

Service technicians record the condition of the system and coordinate the results directly with you on site. You then receive a report of the maintenance measures required.

Objective:
Identify and plan any required measures in good time.



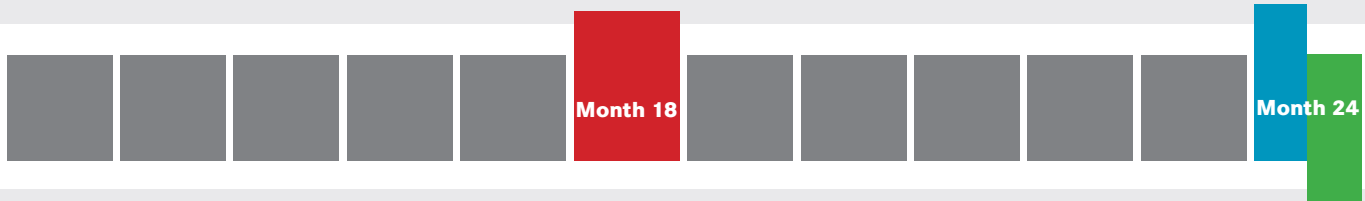
Alignment check

Specially trained service technicians check the geometric alignment of the extrusion press.

Objective:
Establish a basis for excellent profile quality.

Equipment check

Hydraulic and control
system optimization



Alignment check



Hydraulic and control system optimization

To ensure that plant productivity is maintained at consistently high levels, the hydraulic and control system equipment must be optimized on a regular basis.

Objective:

Reduce non-productive times and pressure peaks, thereby safeguarding productivity.

SMS group GmbH

Technical Service

Ohlerkirchweg 66
41069 Mönchengladbach
Germany

Tel.: +49 2161 350-1605
service.forging@sms-group.com
www.sms-group.com

The information provided in this brochure contains a general description of the performance characteristics of the products concerned. The actual products may not always have these characteristics as described and, in particular, these may change as a result of further developments of the products. The provision of this information is not intended to have and will not have legal effect. An obligation to deliver products having particular characteristics shall only exist if expressly agreed in the terms of the contract.