



COMPLETE FACILITY FOR SALE:

HIGH-QUALITY HOT FORGING HAMMER LINES & COLD FORMING PRESSES

FOR MAXIMUM PRECISION COMPONENTS

Featured Brands: **SCHULER**  **BÊCHÉ** 



www.krudoind.com





PROJECT DESCRIPTION

This sale features a complete State-of-Art Drop Forging Facility with (4) Fully Automated and (2) Semi-Automated Forging Hammer Lines (BECHÉ-LASCO-SCHULER) as new as 2023 and Related Departments with more than 200 machines for Complex High-Quality Components.

This facility which was used to manufacture some of the most complex hot forging components combined with high quality German Engineering, is on display at this plant and now available in its entirety.

This opportunity includes High-Quality Hot Forging (Hydraulic) Hammers & Cold Forming Presses with all associated Machinery & Equipment like Shot-Blasting and Quality Control located in the heart of German Forging, the city of Solingen. All Machines are available for take-over either in their entirety or in parts.

PRODUCTS



SALES DETAILS

Sales Type

Private Treaty

Delivery

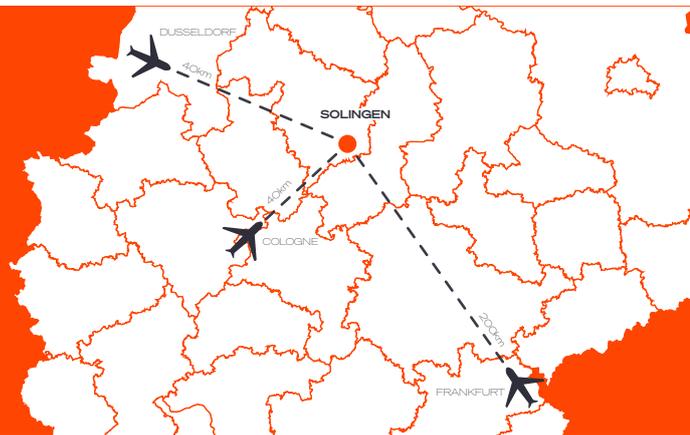
As is - Where is, Ex Works

Location

Solingen, Germany

Inspection

By Appointment Only



YOUR TEAM FOR THIS PROJECT



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INDUSTRIES SERVED



AUTOMOTIVE



AGRICULTURE



CONSTRUCTION



MECHANICAL



DEFENSE



STORAGE



DEFENSE



AVIATION



OFFERED
COMPLETE or
AS INDIVIDUAL MACHINES

PRODUCTION LINES & DEPARTMENTS

1 FORGING DIVISION

1. Fully Automated Forging Hammer Line
(2023) SCHULER KG H 6.3 B (63 KJ)

Consisting of:

- Tilting Device, Stahlmann
- Conductive Heating System, Stahlmann, E89, 2023
- Hot Conveyor Belt with Lifting Device
- 2 Forging robot, Kuka, KR 30-3F, 2010
- Short-Stroke Die Forging Hammer, Schuler, KG H 6.3 B, 2023
- Discharge / Extraction Robot, Kuka, KR 150/2, 2010
- Output Station, Stahlmann, 2010

2. Fully Automated Forging Hammer Line
(2009) LASCO H-OU 800 (80 KJ)

Consisting of:

- Tilting device, Stahlmann
- Induction heating unit, ABP, EBS 345-W, 2009
- Automation unit, Lasco, 2009
- 2 Forging robots, Kuka KR 30-3F, 2013
- Double-Acting Drop Forging Hammer, Lasco, H-OU 800, 2009
- Picking robot, Kuka, KR 150/2, 1998

3. Fully Automated Forging Hammer Line
(2004) BECHE KG H 5B (55 KJ)

• Consisting of:

- Tilting device, Stahlmann
- Conductive heating system, Stahlmann, D400G21/39000 XSH, 2004
- Frako reactive power compensation
- Automation system, Lasco, 2009
- 2 Forging robots, Kuka, KR 30-3F
- Conveyor belt with lifting device
- Control cabinet with higher-level control system
- Short-stroke drop hammer, Beche, KG H 5B, 2004
- Discharge robot for removal, Kuka, KR 30/2, with bucket, 1999

4. Fully Automated Forging Hammer Line
(2002) BECHE KG H 5B (55 KJ)

• Consisting of:

- Tilting Device, Stahlmann
- Conductive Heating System, Stahlmann, E89, 2019
- Automation with 2 forging robots, Lasco/Kuka, KR 60-3F, 2019
- Short-Stroke Die Forging Hammer, Beche, KG H 5B, 2002
- Extraction/removal robot, Kuka KR 60-3F, 2019

5. Semi-Automated Forging Hammer Line
(2001) BECHE KG H 4B (40 KJ)

Consisting of:

- Tilting device, Stahlmann
- Conductive heating unit with 3 modules, Schneider, KEA, 2002
- Frako reactive power compensation unit
- Impulse blower
- Short-stroke drop hammer (forging), Müller Weingarten (Beche), KG H 4B, 2001

6. Semi-Automated Forging Hammer Line
(1994) BECHE KG H 4B (40 KJ)

• Consisting of:

- Tilting device, Stahlmann
- Step conveyor, Stahlmann
- Conductive heating system, Schneider, KEA 303, 2002
- Short-stroke die forging hammer, Beche, KG H 4B, 1994
- Gas furnace, Stahlmann
- Eccentric press for hot trimming, Ruhrmann, EVR 125 H

7. Forging Hammer
(1998) BECHE KG H 4B (40 KJ)

• Consisting of:

- Induction heating unit, ABP, EBS 225-W UPW, 2007 (defective)
- Short-stroke die forging hammer, Beche, KG H 4B, 1998, 40 KJ

2 CUTTING & SPLITTING

Bar Shear Line 1

- Bar shear, Schubert, Caddy 50, 1979 (overhauled by Schubert in 2006)
- Bar feeder with roller conveyor, Schubert, SMH 50 / TRB 50, 2006
- Hinged chain conveyor / transfer unit, Schubert, SKB, 2006
- Stacking magazine, KMS/Schramm, 2006

Bar Shear Line 2

- Bar shear, Schubert, Caddy 63, 1988/2020 (control system modernized by Schramm in 2020)
- Bar magazine with roller conveyor, Schubert, SM 50 / TRB 50, 2020
- Conveyor/transfer unit, Wolff, 2020
- Destacking magazine, KMS/Schramm, 2001

3 COLD FORMING DEPARTMENT

1. (12) Knuckle-Joint Presses Müller, Gräbener,
Wolff (180 t to 1250 t press force)

2. (24) Eccentric Presses Müller-Weingarten, Ruhrmann, IWK,
Dirinler (100 t to 250 t press force)

3. (2) Hydraulic Presses Lauffer, Hydroliksan (200 t to 250 t press force)

4. and much more

4 TOOL MAKING

1. Vertical milling machine, Stankoimport, Model 654, 1972

2. Vertical milling machine, TOS, FGS 25/A, 1992

3. Surface grinding machine, Elb, SW 6 VA 1, 1975

4. Surface grinding machine, Blohm, HFS9, 1979

5. Vertical milling machine, Optimum, Mill 60, 2020

6. Vertical milling machine, Reckermann, Kombi 1050, 1979

7. Vertical milling machine, Reckermann, Kombi 1300, 1976

8. Centrifugal wheel blasting / suspended blasting system, Brück, BKA 1, 1980

9. CNC vertical milling machine (FB1 CNC milling center), Busch/Reckermann,
FB1, 1990/1970 (rebuilt 2014)

10. CNC vertical milling machine (FB2 CNC milling center),

11. Busch/Reckermann, FB2, 1990/1970 (rebuilt 2014)

5 SURFACE FINISHING

1. Vibratory Finishing System Walter Trowal, CB 800, 2008

2. Shot Blasting System Wheelabrator, R 3 cV

3. Shot Blasting System #1 Brück, BR 30, 1990

4. Shot Blasting System #2 Brück, BR 30, 1990

6 QUALITY ASSURANCE & FINAL INSPECTION

1. Gantry Measuring Machine (CMM) Sheffield, Explorer 07:10.05, 2007

2. Crack Testing System Karl Deutsch, DAS 1 U, 2013

3. Surface Plate with Measuring Arm Romer, Absolute Arm RA-7525 SI-2, 2013

4. and much more



FULLY AUTOMATED FORGING HAMMER LINE (2023) SCHULER KG H 6.3 B (63 KJ)

YOM: 2023



- CONSISTING OF:
- Tilting Device, Stahlmann
 - Conductive Heating System, Stahlmann, E89, 2023
 - Hot Conveyor Belt with Lifting Device
 - 2 Forging robot, Kuka, KR 30-3F, 2010
 - Short-Stroke Die Forging Hammer, Schuler, KG H 6.3 B, 2023
 - Discharge / Extraction Robot, Kuka, KR 150/2, 2010
 - Output Station, Stahlmann, 2010





FULLY AUTOMATED FORGING HAMMER LINE (2009) LASCO H-OU 800 (80 KJ)



CONSISTING OF:

- Tilting device, Stahlmann
- Induction heating unit, ABP, EBS 345-W, 2009
- Automation unit, Lasco, 2009
- 2 Forging robots, Kuka KR 30-3F, 2013
- Double-Acting Drop Forging Hammer, Lasco, H-OU 800, 2009
- Picking robot, Kuka, KR 150/2, 1998



FULLY AUTOMATED FORGING HAMMER LINE (2004) BECHE KG H 5B (55 KJ)



CONSISTING OF:

- Tilting device, Stahlmann
- Conductive heating system, Stahlmann, D400G21/39000 XSH, 2004
- Frako reactive power compensation
- Automation system, Lasco, 2009
- 2 Forging robots, Kuka, KR 30-3F
- Conveyor belt with lifting device
- Control cabinet with higher-level control system
- Short-stroke drop hammer, Beche, KG H 5B, 2004
- Discharge robot for removal, Kuka, KR 30/2, with bucket, 1999



FULLY AUTOMATED FORGING HAMMER LINE (2002) BECHE KG H 5B (55 KJ)



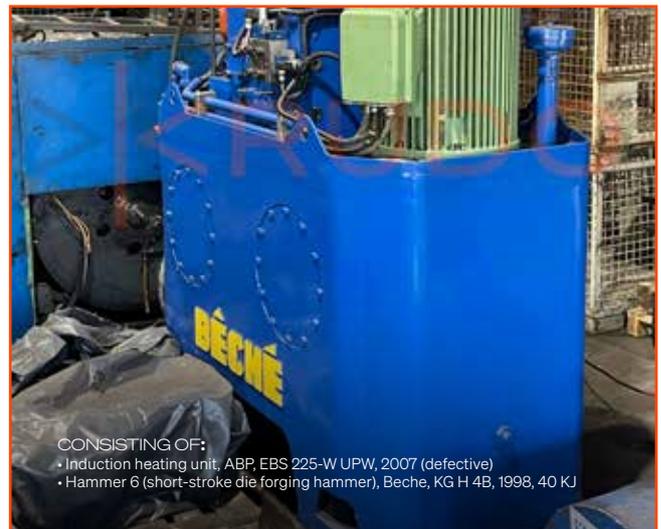
SEMI-AUTOMATED FORGING HAMMER LINE (2001) BECHE KG H 4B (40 KJ)

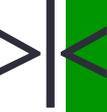


SEMI-AUTOMATED FORGING HAMMER LINE (1994) BECHE KG H 4B (40 KJ)



HYDRAULIC DOUBLE-ACTION FORGING HAMMER (1998) BECHE KG H 4B (40KJ)





FULLY AUTOMATED BAR CUTTING LINE 1



CONSISTING OF:

- **Bar shear, Schubert**, Caddy 50, 1979 (overhauled by Schubert in 2006)
- Bar feeder with roller conveyor, Schubert, SMH 50 / TRB 50, 2006
- Hinged chain conveyor / transfer unit, Schubert, SKB, 2006
- Stacking magazine, KMS/Schramm, 2006

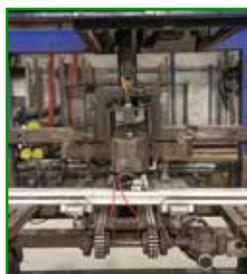


FULLY AUTOMATED BAR CUTTING LINE 2



CONSISTING OF:

- **Bar shear, Schubert**, Caddy 63, 1988/2020 (control system modernized by Schramm in 2020)
- Bar magazine with roller conveyor, Schubert, SM 50 / TRB 50, 2020
- Conveyor/transfer unit, Wolff, 2020
- Destacking magazine, KMS/Schramm, 2001





COLD FORMING DEPARTMENT

FEATURED PRESSES

(12) Knuckle-Joint Presses
Müller, Gräbener, Wolff
(180 t to 1250 t press force)

(24) Eccentric Presses
Müller-Weingarten,
Ruhmann, IWK, Dirnler
(100 t to 250 t press force)

(2) Hydraulic Presses
Laufer, Hydroliksan
(200 t to 250 t press force)



125t Müller



100t IWK



100t Müller-Weingarten



100t Müller-Weingarten



200t Müller-Weingarten



630t Gräbener



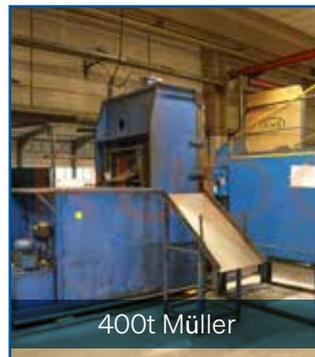
180t Gräbener



160t Edelhoff



1000t Müller



400t Müller



100t Müller-Weingarten



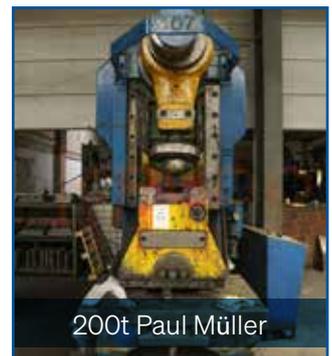
100t Müller-Weingarten



125t Müller-Weingarten



125t Ruhmann



200t Paul Müller



250t Berrenberg



630t Gräbener



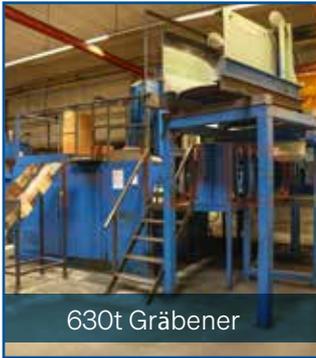
125t Müller



400t Gräbener



COLD FORMING DEPARTMENT



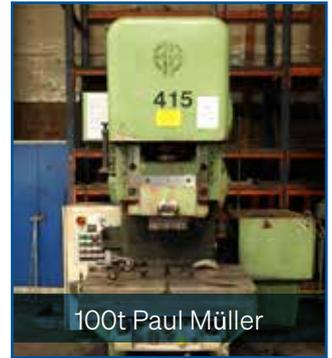
630t Gräbener



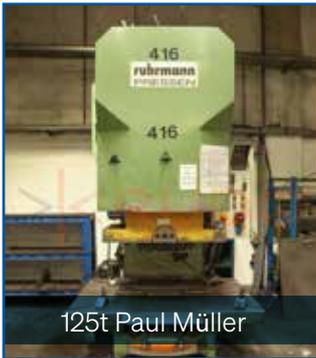
100t Heilbronn



160t Paul Müller



100t Paul Müller



125t Paul Müller



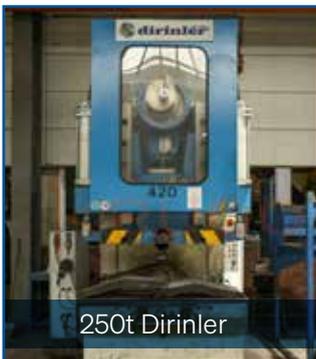
1250t Wolff



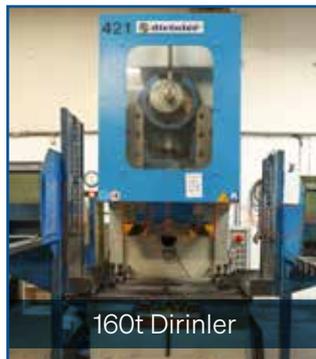
200t Lauffer



250t Hidroliksan



250t Dirinler



160t Dirinler



160t Dirinler



160t Dirinler



160t Dirinler



160t Dirinler



160t Dirinler



360t Gräbener



600t Gräbener



360t Gräbener



VAUPEL Vibration-Filter

FEATURED PRESSES

(12) Knuckle-Joint Presses
Müller, Gräbener, Wolff
(180 t to 1250 t press force)

(24) Eccentric Presses
Müller-Weingarten,
Rührmann, IWK, Dirinler
(100 t to 250 t press force)

(2) Hydraulic Presses
Lauffer, Hidroliksan
(200 t to 250 t press force)



TOOL MAKING DEPARTMENT



CNC vertical milling machine
Busch/Reckermann (2014)



CNC vertical milling machine
Busch/Reckermann (2014)



Vertical milling machine
Optimum Mill 60 (2020)



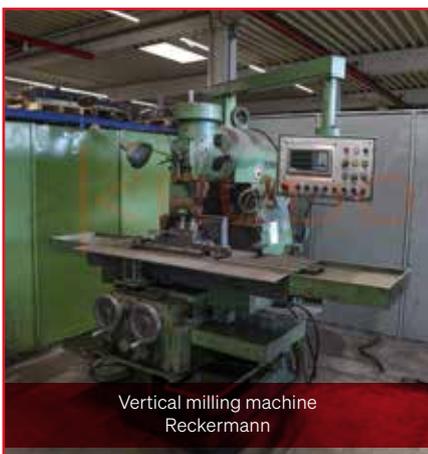
Centrifugal wheel blasting
Brück (1980)



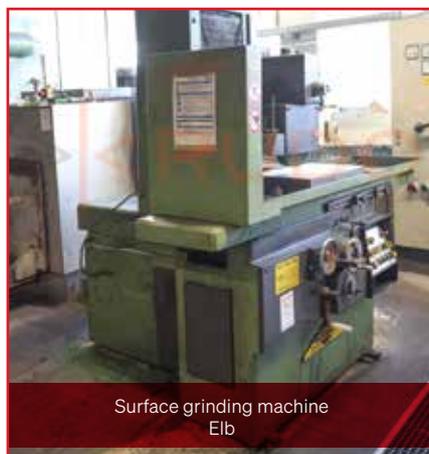
Vertical milling machine
TOS (1992)



Vertical milling machine
Reckermann



Vertical milling machine
Reckermann



Surface grinding machine
Elb



Surface grinding machine
Blohm



Vertical milling machine
Stankoimport

Vertical milling machine, Stankoimport, Model 654, 1972
 Vertical milling machine, TOS, FGS 25/A, 1992
 Surface grinding machine, Elb, SW 6 VA I, 1975
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 CNC vertical milling machine (FB1 CNC milling center), Busch/Reckermann,
 FB1, 1990/1970 (rebuilt 2014)
 CNC vertical milling machine (FB2 CNC milling center), Busch/Reckermann,
 FB2, 1990/1970 (rebuilt 2014)



SURFACE FINISHING



Shot Blasting System #1 Brück, BR 30, 1990



Shot Blasting System #2 Brück, BR 30, 1990



Vibratory Finishing System Walter Trowal, CB 800, 2008



Shot Blasting System Wheelabrator, R 3 cV

SURFACE FINISHING

QUALITY ASSURANCE & FINAL INSPECTION



Gantry Measuring Machine
Sheffield (2007)



Crack Testing System
Karl Deutsch (2013)



Portable CMM
Arm Romer (2013)

QUALITY ASSURANCE & FINAL INSPECTION

TURNKEY INVESTMENT OPPORTUNITY

FULLY LICENSED INDUSTRIAL PROPERTY
WITH HIGH POWER CAPACITY
IMMEDIATE OPERATIONAL READINESS

SET-UP FOR ENERGY-INTENSIVE INDUSTRIAL OPERATIONS,
ADVANCED MANUFACTURING, OR IMMEDIATE CONTINUATION
OF EXISTING PRODUCTION ACTIVITIES.



REAL ESTATE INFO:

1. Total size:

18.451 m²

consisting of 2 plots -

2. Covered Hall Space:

11.446 m²

4. Max. Electrical Power Connection:

3.900 kW

3.915m² and

14.536 m²

3. Open Space:

7.005 m²

Potential to increase to

5.500 kW



OPTIMIZED SITE LAYOUT WITH CLEAR SEPARATION OF:

1. Production halls,
2. Logistics flows,
3. Administration, and
4. Technical infrastructure.

**EFFICIENT ACCESS FOR HEAVY VEHICLES
AND SCALABLE EXPANSION ZONES.**