PRESENTATION OF THE COMPANY



ANDRITZ



Schuler's first headquarter
Background- „Innovation Tower" from 2015

THE HISTORY

- Company founded in **1839 in Göppingen, Germany**
- Provider of **superior technology and innovative system solutions** for the digital transformation of moulding technology.
- **Products:** Presses, automation and software solutions, dies, process 'know-how' and services for the entire metal forming industry.
- **Top-level clients:** Automobile manufacturers and their suppliers, the forging industry, domestic appliance manufacturers, electronics manufacturers, as well as state mints.

6,600
employees

40
locations

26
countries

INDUSTRIAL SOLUTIONS - SECTORS



Automotive Industry



Suppliers Tier 1-3



E-Mobility



Railway



Aviation



Equipment household appliances & RTV

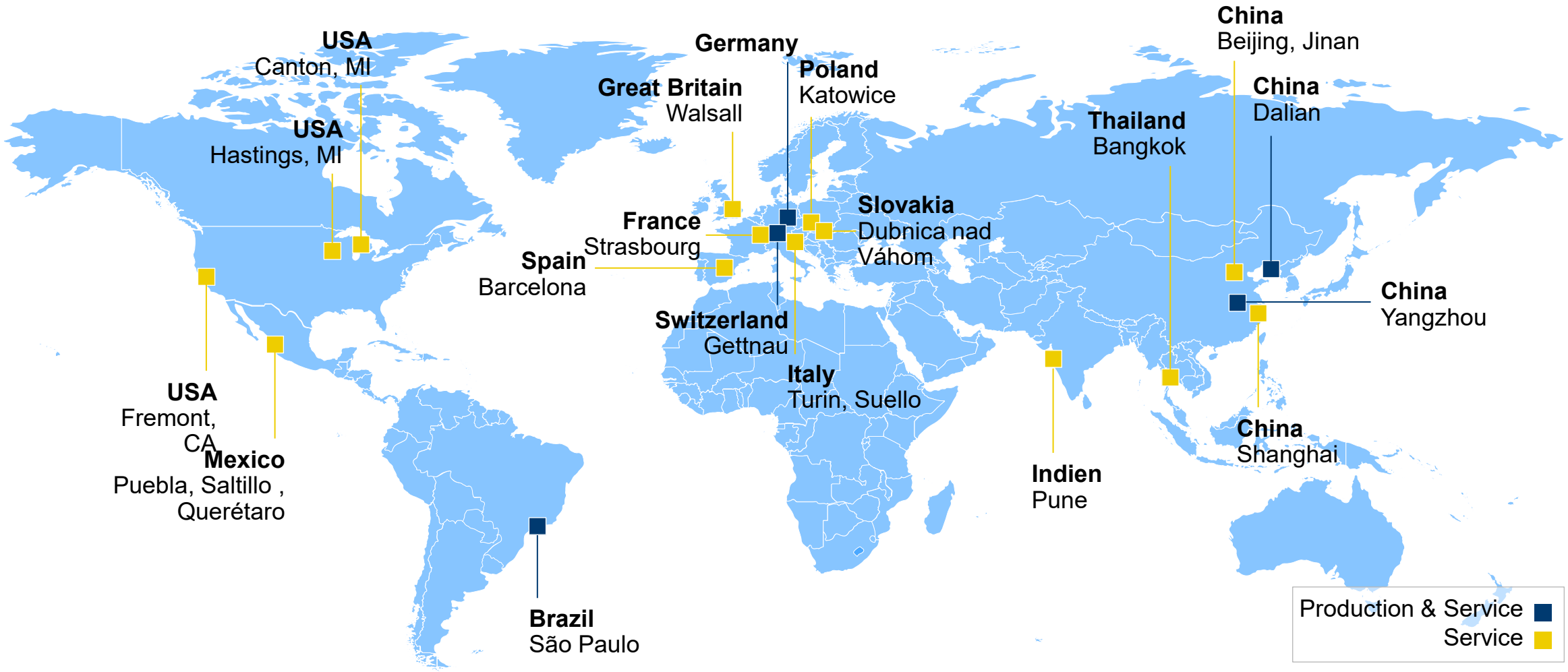


Coin Manufacture



Industrial Applications

ANDRITZ WORLDWIDE



SCHULER'S MACHINE PORTFOLIO



C-frame presses for manual or automatic operation



MC-type mechanical column presses



TMK mechanical and servo-drive knee presses



SCS boom press with servo drive



Monobloc presses with servo knee drive



Series of modular presses with servo knee drive



MSD monobloc presses with direct servo drive



TSD direct servo drive modular presses



TST series of presses with bottom servo drive



Customized presses



Millenium Plaza building in Katowice

ANDRITZ SCHULER POLAND SERVICES

- We started in **March 2012** as a Schuler service unit for the Polish market.
- Our head office is **located in Katowice**, near the A4 highway, with additional warehouses across the Silesian region.
- We support the sales of new and used machinery in the industrial sector.
- Our team of **14 specialists** handles administration, service, and coordination with customers and suppliers, with further growth planned.

MULTI-BRAND SERVICE & TECHNICAL SUPPORT

As a trusted service partner, we deliver end-to-end support for press systems, combining technical expertise with proven service capabilities across multiple machine brands.

Additionally, we support machines outside the group on the basis of individual agreements, like Fagor, Aida, Mecfond, Mossini, Simpac, WIA.



Supporting customers across:

Lithuania · Latvia · Estonia · Poland

Andritz Schuler Poland Service offers servicing of the Schuler Group's mechanical and hydraulic presses and forming machines listed below:

SCHULER · MÜLLER WEINGARTEN · BLISS USA · CLEARING · NIAGARA

BEUTLER · Umformtechnik ERFURT · SMG PRESSEN · HYDRAP PRESSEN · WILKINS & MITCHELL

BÊCHÉ · SPIERTZ PRESSES · Liebergeld · Peltzer & Ehlers · Schleicher

BASIC SCOPE OF SUPPLY
FOCUSED ON THE WORK OF THE PRESSES



- Corrective Maintenance & Emergency Repairs.
- Replacement of spare parts,
- Preventive replacement,
- Modifications,
- Modernizations,
- Projects.

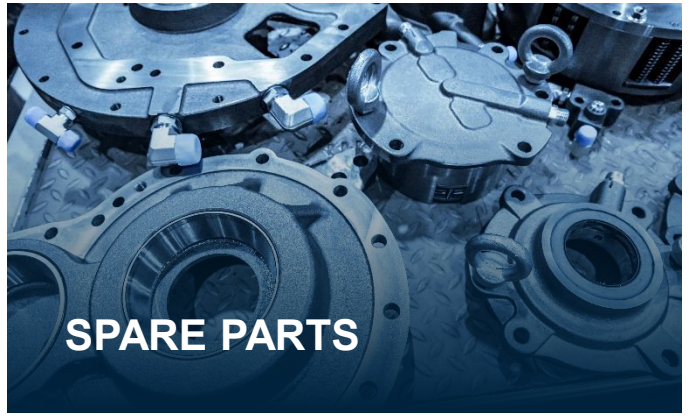


Types:

- Standard (basic diagnostics and measurements),
- Special (safety inspections, parameter monitoring).

Handling:

- Schuler Poland Service
- Cooperation with Headquarter,
- Worldwide support.



Spare parts categories:

- 24/7 support,
- Standard spare parts (identified by material numbers) – "know-how" parts,
- Customized parts (made-to-order).

Preparation and execution:

- Engineering department + implementation.

EXTENDED SCOPE OF SUPPLY



ADVANCED DIAGNOSTICS & MECHANICAL SERVICES

- Thermal Diagnostics
- Vibration Diagnostics
- Overrun Measurements
- Force Measurements
- Turnkey Mechanical Modifications



ELECTRICAL, AUTOMATION & INTEGRATION

- Turnkey Electrical & Software Repairs, Upgrades and Modifications
- Full Integration of Industrial Robots
- Profibus & Profinet Network Diagnostics
- Thermal Diagnostics for Electrical Cabinets
- Safety Audits



TRAINING, ENGINEERING & LABORATORY SERVICES

- Stamping Training (Materials, Dies, Machines, Process, Maintenance)
- Extended Training Programs Tailored to Customer Needs
- Laboratory Analysis of Embossing Material Structure
- Press Foundation Design



TOOLING & PRODUCTION SUPPORT

- Inspection and Repair of Dies
- Support for Die Tryout / Buyoff
- Production Quality Support

OUR PORTFOLIO

OUR PORTFOLIO

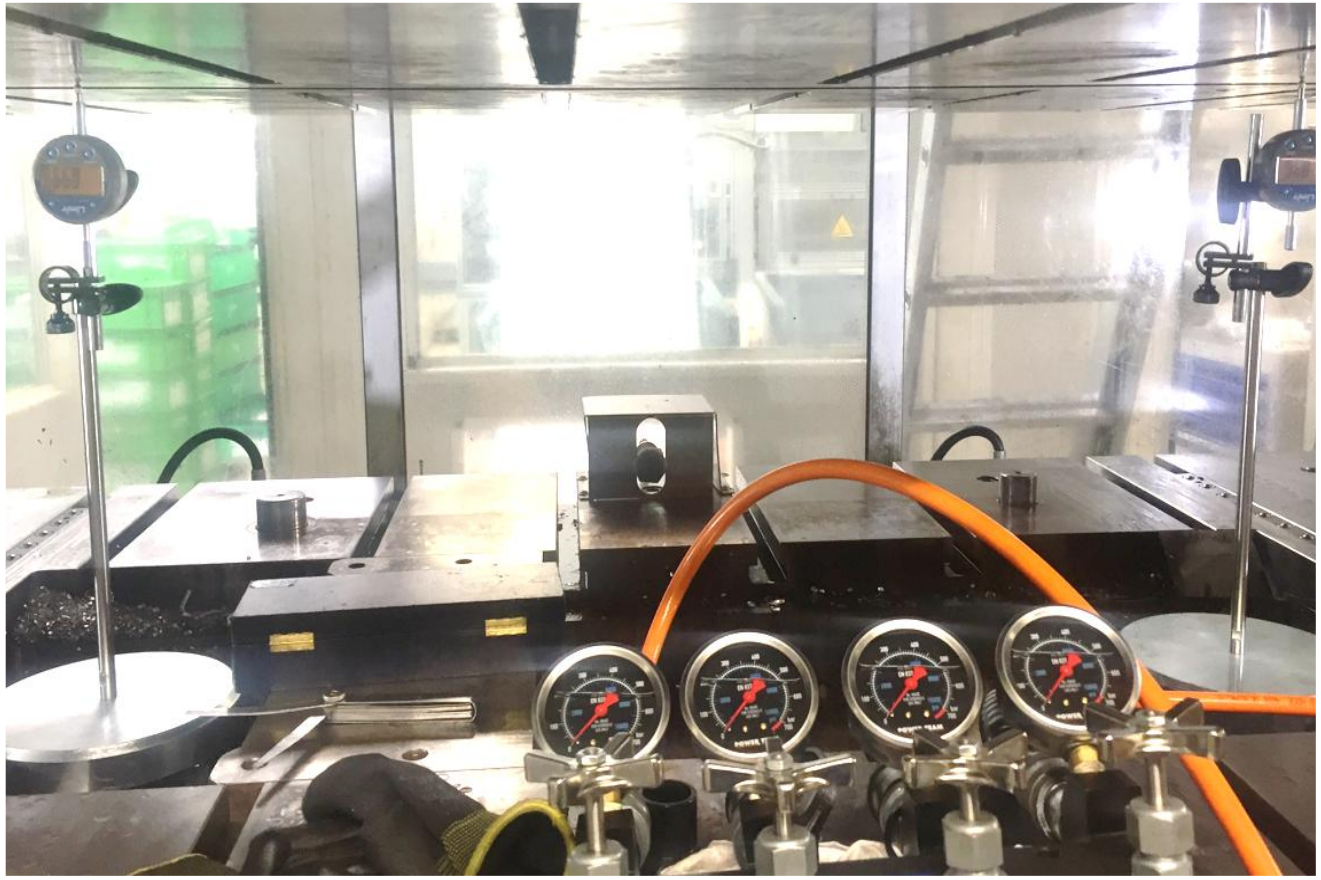
Press force measurement and tense- meter calibration
up to 800 tons (inhouse equipment); higher values also possible.





OUR PORTFOLIO

Geometry measurements and Complete pressrepairs







OUR PORTFOLIO

Drive system refurbishment







OUR PORTFOLIO

Machines relocation

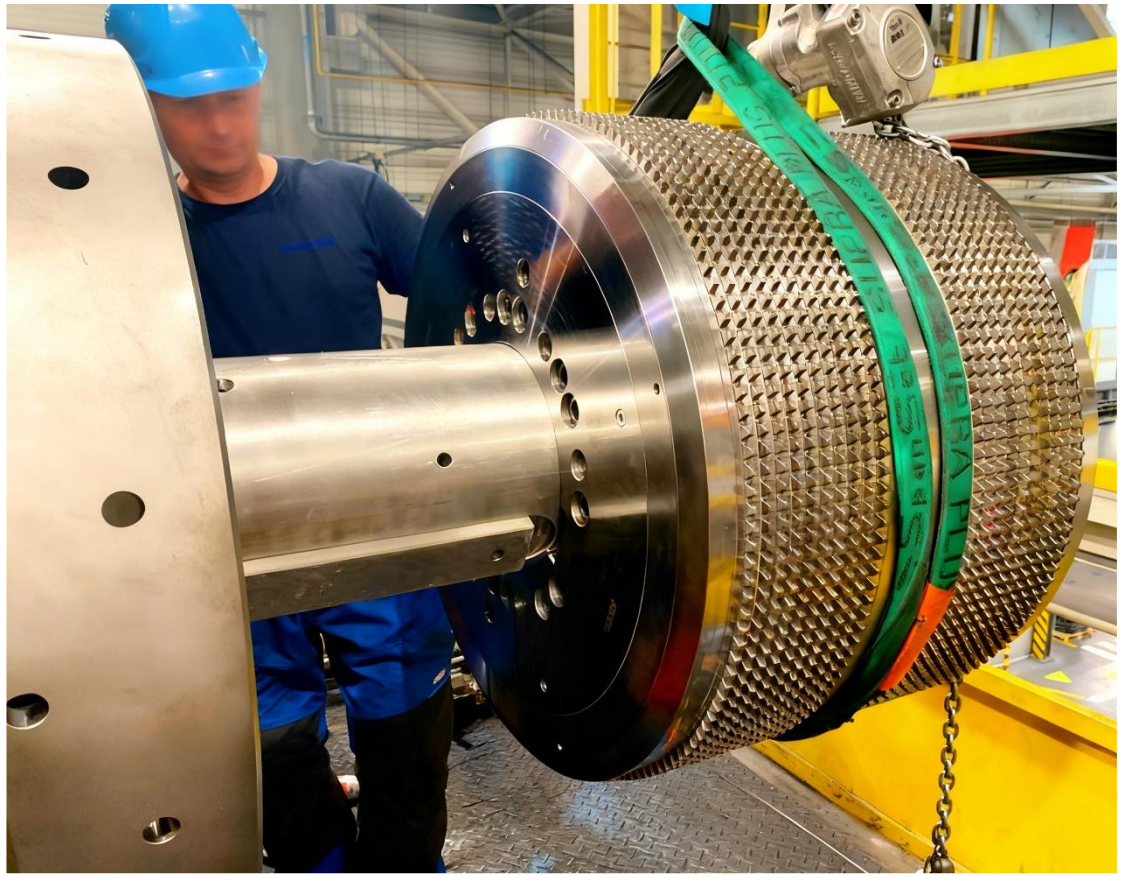


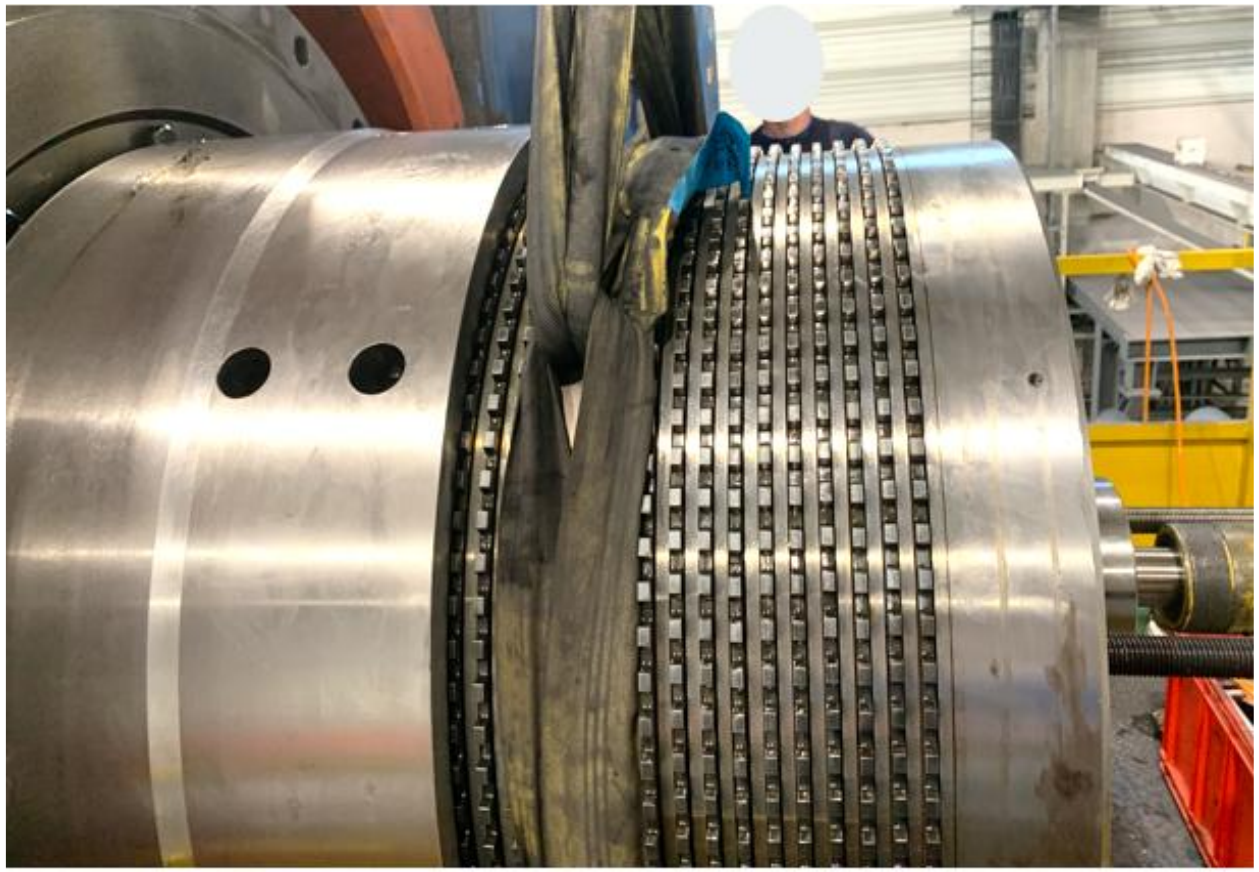




OUR PORTFOLIO

Clutch- Brake repairs with complete plates and sealings replacement





OUR PORTFOLIO

Overrun measurements



Safety Man Delta T V4.38

Stopping Time Measuring Protocol

Date	25.10.24
Time	12:38
Meas. No.	14
Machine ID	HPX250-6 T1
Norm	EN 13855
Appr. Speed	2.0 m/s*
Safety Dev:	
TwoHand/Switches	
Response Time	0 ms
Add. Dist. C	0 mm
SPM Method	Test Stroke
SPM Position	65 mm
SPM Velocity	667 mm/s
Meas. Direct.	draw in

Meas. Values

No.	Stopping Dist. [mm]	Time [ms]	Safety Dist. [mm]
1	75	167	334
2	73	159	318
3	77	171	342
4	71	154	308
5	71	152	304
6	71	157	314
7	70	153	306
8	72	155	310
9	76	167	334
10	67	146	292
Results 3	77	171	342

Mean value : 158ms
Sigma : 7.50ms

Safety Man Delta T V4.38

Stopping Time Measuring Protocol

Date	25.10.24
Time	12:44
Meas. No.	15
Machine ID	HPX250-6 T2
Norm	EN 13855
Appr. Speed	2.0 m/s*
Safety Dev:	
TwoHand/Switches	
Response Time	0 ms
Add. Dist. C	0 mm
SPM Method	Test Stroke
SPM Position	63 mm
SPM Velocity	658 mm/s
Meas. Direct.	draw in

Meas. Values

No.	Stopping Dist. [mm]	Time [ms]	Safety Dist. [mm]
1	73	160	320
2	74	159	318
3	74	162	324
4	74	164	328
5	69	150	300
6	78	170	340
7	74	167	334
8	86	187	374
9	72	160	320
10	72	156	312
Results 8	86	187	374

Mean value : 163ms
Sigma : 9.46ms

Safety Man Delta T V4.38

Stopping Time Measuring Protocol

Date	25.10.24
Time	12:53
Meas. No.	16
Machine ID	HPX250-6 T3
Norm	EN 13855
Appr. Speed	2.0 m/s*
Safety Dev:	
TwoHand/Switches	
Response Time	0 ms
Add. Dist. C	0 mm
SPM Method	Test Stroke
SPM Position	61 mm
SPM Velocity	665 mm/s
Meas. Direct.	draw in

Meas. Values

No.	Stopping Dist. [mm]	Time [ms]	Safety Dist. [mm]
1	77	167	334
2	80	172	344
3	73	160	320
4	86	189	378
5	79	174	348
6	79	171	342
7	77	166	332
8	76	167	334
9	69	147	294
10	74	159	318
Results 4	86	189	378

Mean value : 167ms
Sigma : 10.43ms

Safety Man Delta T V4.38

Stopping Time Measuring Protocol

Date	25.10.24
Time	12:22
Meas. No.	13
Machine ID	HPX250-6 T-H
Norm	EN 13855
Appr. Speed	2.0 m/s*
Safety Dev:	
TwoHand/Switches	
Response Time	0 ms
Add. Dist. C	0 mm
SPM Method	Test Stroke
SPM Position	57 mm
SPM Velocity	665 mm/s
Meas. Direct.	draw in

Meas. Values

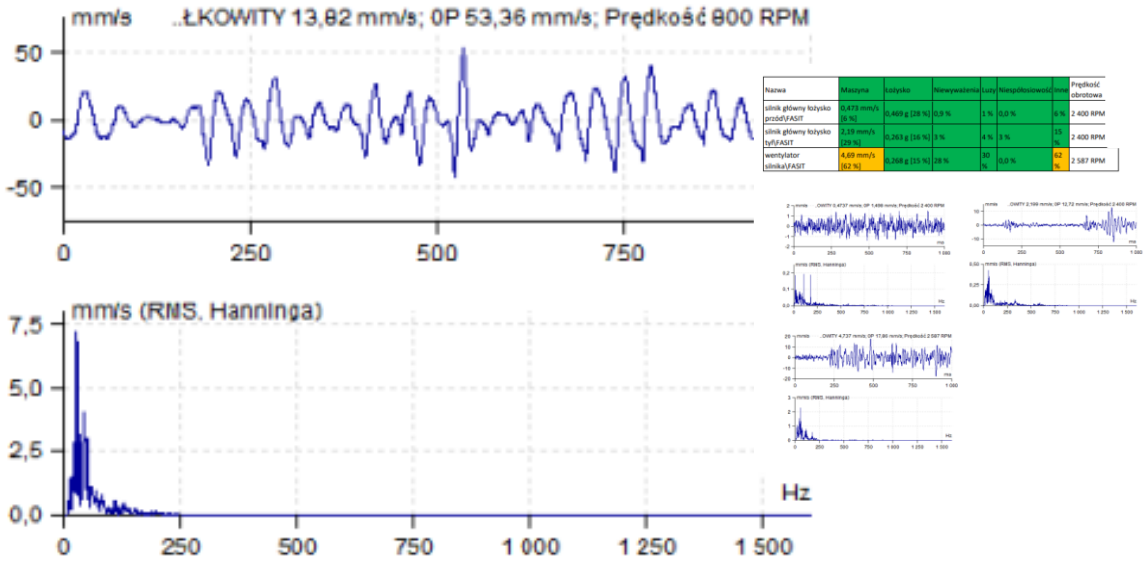
No.	Stopping Dist. [mm]	Time [ms]	Safety Dist. [mm]
1	79	169	338
2	88	185	370
3	90	193	386
4	86	184	368
5	87	185	370
6	86	186	372
7	86	184	368
8	82	174	348
9	84	184	368
10	86	184	368
Results 3	90	193	386

Mean value : 182ms
Sigma : 6.36ms

OUR PORTFOLIO

Advanced vibration analysis & Advanced thermal analysis

Nazwa	Maszyna	Łożysko	Niewyważenia	Luzy	Niewspółosiowość	Inne	Prędkość obrotowa
Łożyska Złącze zasilająco obrotowe\FASIT	13,7 mm/s [100 %]	0,309 g [45 %]	0,0 %	0,0 %	100 %	100 %	800 RPM





Phase W Phase V Phase U



Phase W Phase V Phase U

OUR PORTFOLIO

Electrical & Controls modifications- Siemens, Rockwell Automation



KOP/AWL/FUP - [DB2001 -- "DB2001" -- Tr3_Master_20160114\Modul_Lader\CPU 416-2 DP\...\DB2001]

Datei Bearbeiten Einfügen Zielsystem Test Ansicht Extras Fenster Hilfe

+800.0	ZS_Pu_lae_re_in	DINT	L#0	Pozycja zadana Pusher wzdluz po prawej wewn. w mm
+804.0	ZS_Hoehe	DINT	L#0	Pozycja zadana Ustawianie wysokosci w mm
+808.0	ZS_Stop_re	DINT	L#0	0=nie wybrano 1=wybrano Stopper rechts

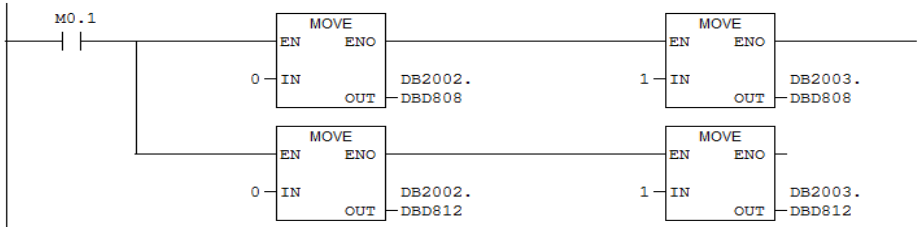
KOP/AWL/FUP - [FC267 -- "FC42_WZW_Lim" -- Tr3_Master_20160114\Modul_Lader\CPU 416-2 DP\...\FC267]

Datei Bearbeiten Einfügen Zielsystem Test Ansicht Extras Fenster Hilfe

FC267 : =42 Zadawanie Min i Max watosc dla danych produktowych

Kommentar:

Netzwerk 1: limits

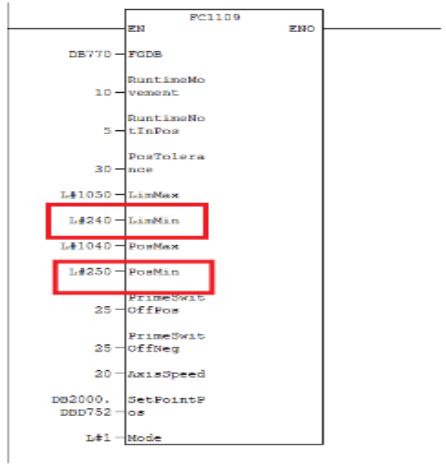


Symbolinformation:

```
M0.1            00_M0.1                -- Statisch Eins
DB2002.DBD808   "DB2002".ZS_Stop_re    -- 0=nie wybrano 1=wybrano Stopper rechts
DB2003.DBD808   "DB2003".ZS_Stop_re    -- 0=nie wybrano 1=wybrano Stopper rechts
DB2002.DBD812   "DB2002".ZS_Stop_li    -- 0=nie wybrano 1=wybrano Stopper links
DB2003.DBD812   "DB2003".ZS_Stop_li    -- 0=nie wybrano 1=wybrano Stopper links
```

Wysterowanie os przestawna

Netzwerk 7: Wartosc zadana laduj



Symbolinformation:

OUR PORTFOLIO

On-Site Service Capability

5 service vehicles · Fully equipped team · Ready for immediate deployment

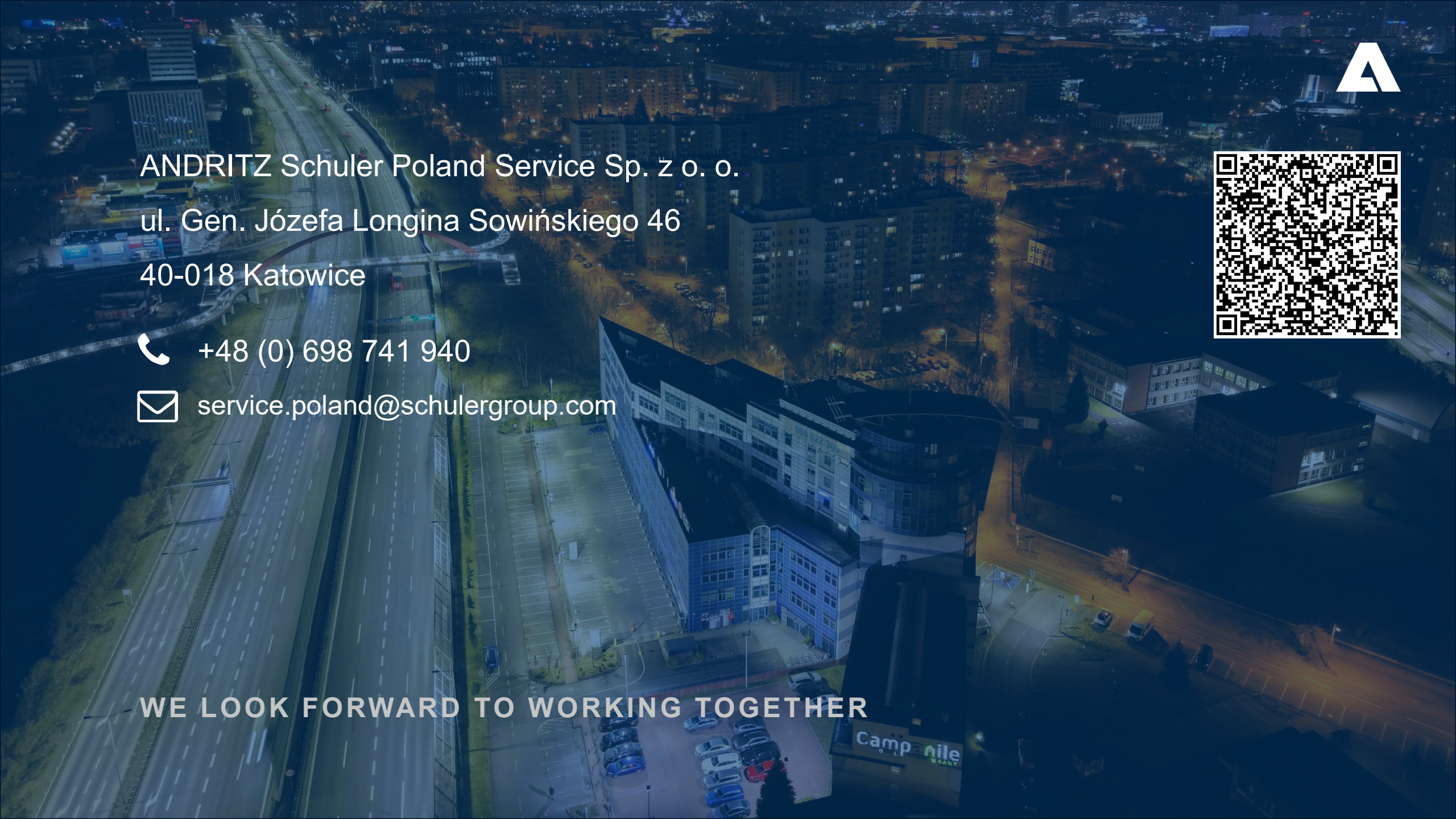






COMPREHENSIVE BENEFITS OF COOPERATION

1. Fast & Reliable Repairs
2. Genuine Spare Parts Availability
3. Cost Optimization & Efficiency Gains
4. Rapid Response & On-Site Support
5. Predictable Costs & Budget Control
6. Tailored Service Agreements
7. Expert Training & Skill Development
8. Dedicated Technical Support



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WE LOOK FORWARD TO WORKING TOGETHER

ANDRITZ.
FOR GROWTH
THAT MATTERS.

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