



DESIGNED TO PERFORM, BUILT TO LAST

www.zani.net



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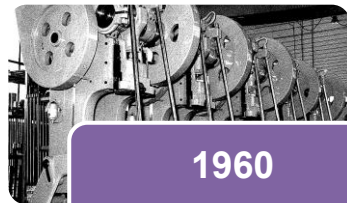
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Since 1960 we are designing and constructing mechanical presses for sheet metal forming

Italian company managed by Zaffaroni family since 3 generations

Specialised in customized production. Technical specs are defined on customer needs



1960
Company establishment



1985
First slow-down press



2008
First Servo press



2017
Servo Master 3200Ton

Surface 20.000 m²
of which 6.000 m² are covered

40 direct employees

Average of around 15 presses produced
per year

More than 5.000 presses installed in the
world in 60 years of activity

Location: Turate
Distance from Malpensa 35 km; Linate 50 km;
Bergamo 75 km and Swiss boarder 22 km





Bureau Veritas Certification

ZANI SPA METAL FORMING MACHINES

VIA LANINO, 32-21047 Saronno (VA) - Italy

Sede Oggetto di certificazione:

Via Centro Industriale Europeo, 32-22078 TURATE (CO) - Italy

Bureau Veritas Italia S.p.A. certifica che il sistema di gestione dell'organizzazione sopra indicata è stato valutato e giudicato conforme ai requisiti della norma di sistema di gestione seguente

ISO 9001:2015

Campo di applicazione

Progettazione, realizzazione e vendita di macchine industriali.
Installazione, manutenzione e vendita ricambi di macchine industriali.

IAF:17,18

Data della certificazione originale:	13-Febrero-2023
Data di scadenza precedente ciclo di certificazione:	NA
Data dell'Audit di certificazione / rinnovo:	11-Gennaio-2023
Data d'inizio del presente ciclo di certificazione:	13-Febrero-2023
Soggetto al continuo e soddisfacente mantenimento del sistema di gestione questo certificato è valido fino al:	12-Febrero-2025
Certificato Numero: IT321014	Versione: 1
	Data di emissione: 13-Febrero-2023

GIORGIO LANZAFAME - Local Technical Manager



Indirizzo dell'organismo di certificazione:
Bureau Veritas Italia S.p.A., Viale Morza, 347 - 20126 Milano, Italia

Ulteriori chiarimenti sul campo di applicazione di questo certificato e sui requisiti applicabili della norma del sistema di gestione possono essere ottenuti consultando l'organizzazione.
Per controllare la validità di questo certificato fare doppio click sul QR CODE o scansionarlo con apposita App



ENVIRONMENTAL
SOCIAL
GOVERNANCE



ALTIS advisory
Spin-off dell'Università Cattolica del Sacro Cuore

ZANI SPA



azienda concessionaria del Marchio UCIMU

Considerando le informazioni fornite, ALTIS Advisory ha valutato le performance di sostenibilità dell'azienda negli ambiti ESG mediante il modello **A4ESG - Industria della Macchina Utensile - Ed. 2021**

Milano, 13 ottobre 2022

Stella Gubelli
Amministratore Delegato



MARKETS



Appliances



Electronics



Automotive



Furniture



Renewable energies

PRODUCT RANGE

COMPLETE PRODUCTION LINES FOR STAMPING



**POWER
MASTER**

**MOTION
MASTER**

**SERVO
MASTER**

Taylor-Made Presses



Eccentric Presses

Force: 2000 kN : 5000 kN
(fixed stroke or automatic stroke change system)

Presses with Slow-Down Movement

Force: 2000 kN : 35000 kN
(fixed stroke or automatic stroke change system)

Servo Presses

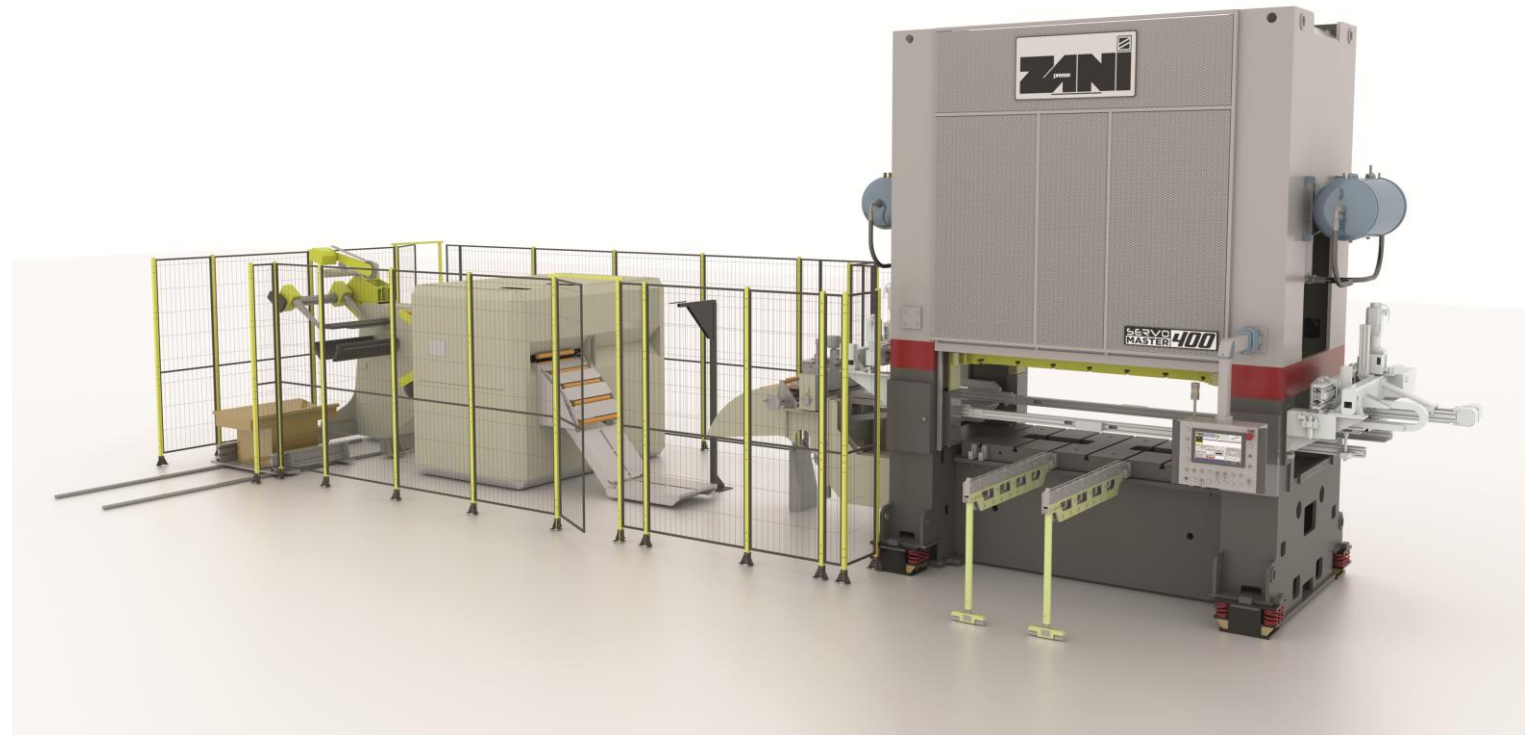
Force: 2000 kN : 35000 kN

- Curve of movement freely programmable: deep drawing, drawing, blanking, coining
- Adjustable stroke with pendulum: transfer and progressive dies
- Energy Saving

SERVO SMART

- Flexibility
- Performance
- Reliability
- Energy Saving
- Cost Effective
- Quick Delivery

Standard Presses



SERVO SMART

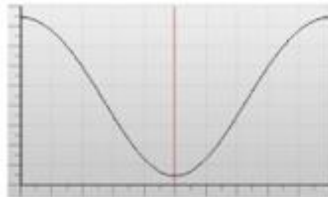
- Flexibility
- Performance
- Reliability
- Energy Saving
- Cost Effective
- Quick Delivery

SERVO PRESSES - SMART LINE (Standard Presses)

MODEL		SS 200-T2-20-20	SS 300-T2-20-25	SS 300-T2-25-25	SS 400-T2-25-30	SS 400-T2-30-30
FORCE	KN	2000	3000		4000	
KINEMATICS		TRANSVERSAL ECCENTRIC SHAFTS - 2 CON RODS				
BOLSTER DIMENSIONS	mm	2000x1000	2000x1200	2500x1200	2500x1200	3000x1400
LATERAL WINDOW WIDTH	mm	800	1200	1200	1200	1200
SHUT HEIGHT (SDAU)	mm	550	650	650	750	750
SLIDE ADJUST.	mm	120	150	150	150	150
MAX STROKE (FULL REVOLUTION)	mm	200	250	250	300	300
MAX SPEED	cm'	50	50	50	45	45
H BDC	mm	5	5	5	5	5
STROKE (PENDULUM MODE)	mm	60	60	60	80	80
MAX SPEED	cm'	90	90	90	90	90
H BDC	mm	3,5	3,5	3,5	3,5	3,5
FEEDER	KW	55	55		55	
MORTOR	KW	194	276	276	380	380
APPROX WEIGHT	T	36	40		48	

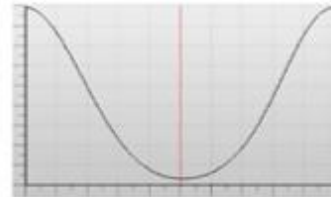
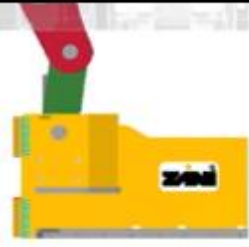
Traditional Eccentric Press **VS** Zani's Link Motion

**POWER
MASTER**



ECCENTRIC

**MOTION
MASTER**



LINK MOTION

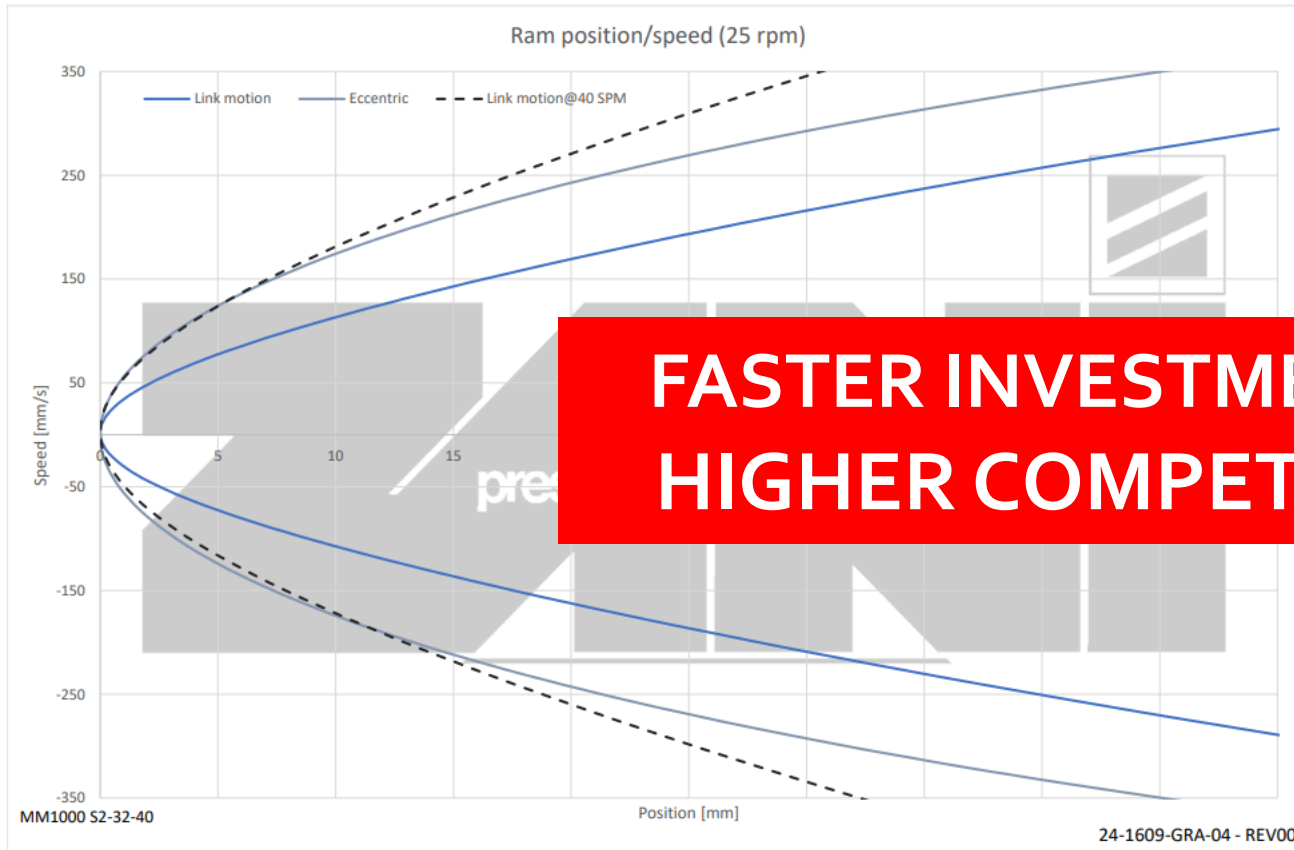
The **slow down movement of the Link Motion** (reduction of the ram speed) **before the dead bottom center (DBC)** is relevant for:

- reducing noise
- reducing vibrations
- reducing the heating of the material during the forming process without compromising the mechanical features of the steel
- reducing the burrs (significant with high thickness material)
- reducing the cost of tool maintenance
- increasing the accuracy, reliability and durability of the tools
- improving the final quality of the produced parts and their repeatability.
- **increasing the productivity** (with the same speed of the traditional eccentric press during the forming phase it is possible to increase the spm)

The **slow down movement after the BDC** is a huge advantage for:

- preventing acceleration after the BDC
- making holes for screw avoiding the reduction of the cycle time(spm)
- other tool operations **avoiding the reduction of the cycle time(spm)**

Traditional Eccentric Press VS Zani's Link Motion



**FASTER INVESTMENT RETURN
HIGHER COMPETITIVE LEVEL**

INCREASE IN PRODUCTIVITY

This graph shows that at the same speed (25 SPM) the **Zani's Link Motion** (blue curve) at 10 mm from BDC it's more or less **37.5% slower** than an eccentric press with the same speed, at the same height 40 SPM with the Link Motion

Traditional Eccentric Press 25 SPM
Zani's Link Motion 40 SPM (+ 60%)

TOTAL FLEXIBILITY

Curve of movement freely programmable

Adaptability to dies, progressive and transfer

Processes not possible with



MAXIMUM PRODUCTIVITY

Increased quantity and

Reduction of setup time (Handwheel)

Reduction of machine downtime for maintenance

**FASTEST INVESTMENT RETURN
HIGHEST COMPETITIVE LEVEL**

REDUCED ENVIRONMENTAL IMPACT

Energy management to limit consumptions

Dies wear reduction

Noise and vibrations reduction

INSTALLATIONS

HiPRO MASTER

HM 140-T2-14-07
140T
stroke 70 mm
spm 30:300



**HiPRO
MASTER**

HM 200-T2-14-07
200T
stroke 70 mm
spm 50:300



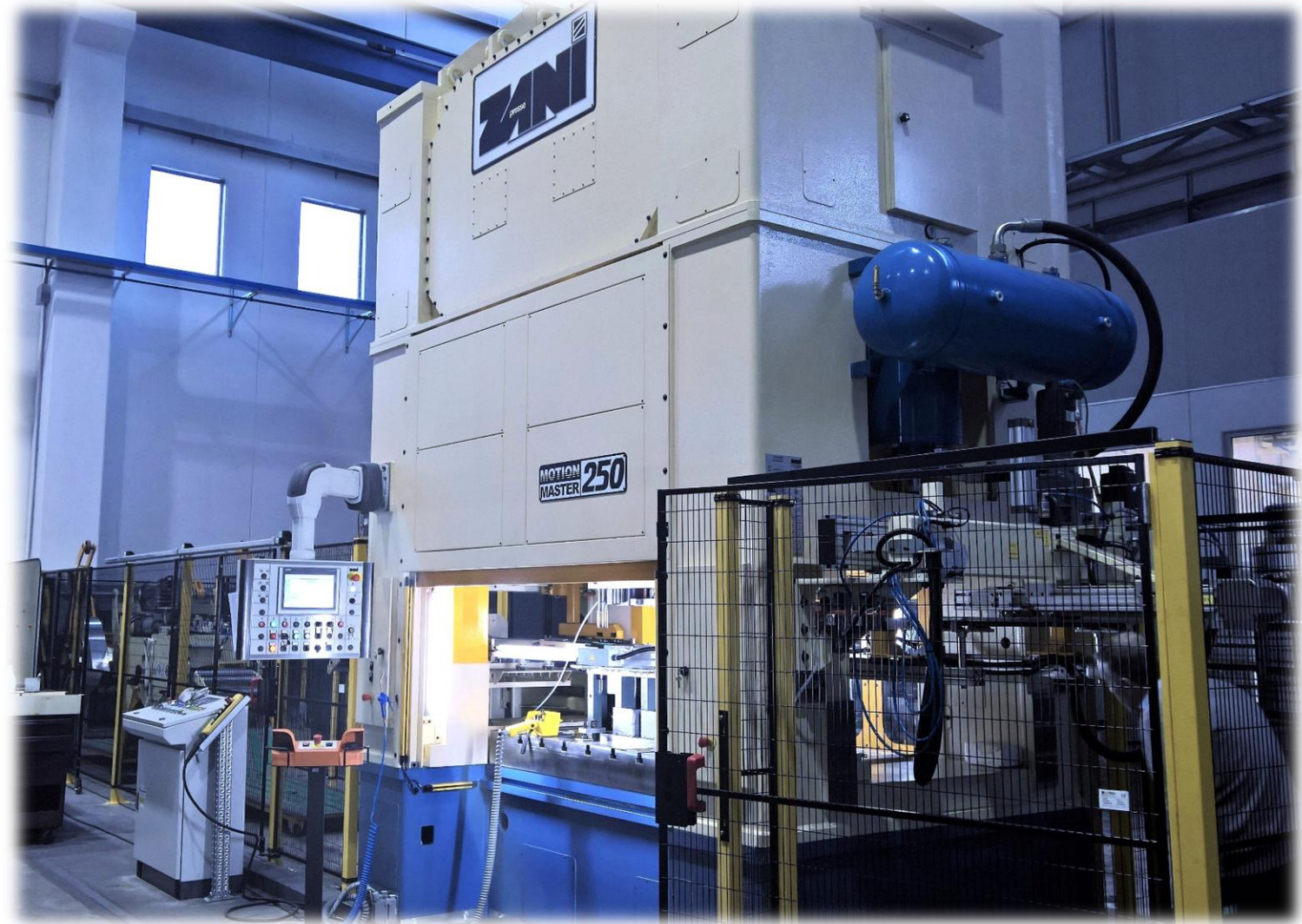
**POWER
MASTER**

PM 250-T2-20-07
250T
stroke 70 mm
spm 50:150



**MOTION
MASTER**

MM 250-D2-20-20



**MOTION
MASTER**

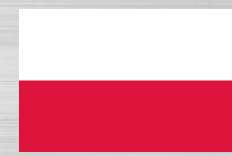
MM 250-S2-25-35



**SERVO
MASTER**

SM 300-T2-20-20





**POWER
MASTER**

PM 400-F2-30-25



**MOTION
MASTER**

MM 400-D2-25-30



**SERVO
MASTER**

SM 400-T2-20-20



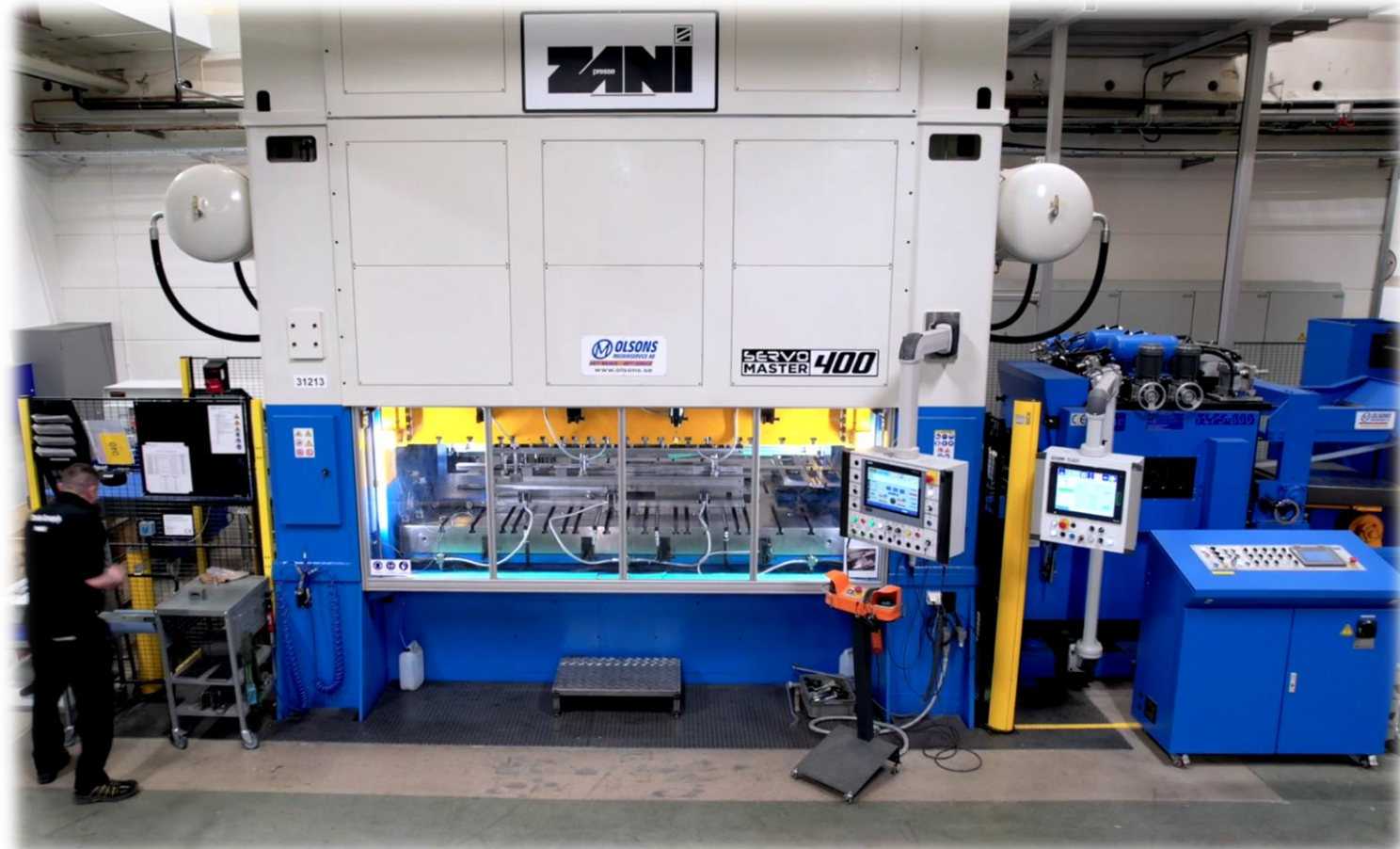
**SERVO
MASTER**

SM 400-S2-22-35



**SERVO
MASTER**

SM 400-S2-30-30



**POUIER
MASTER**

**MOTION
MASTER**

PM 400 – MM 630



**MOTION
MASTER**

MM 500-S2-30-30



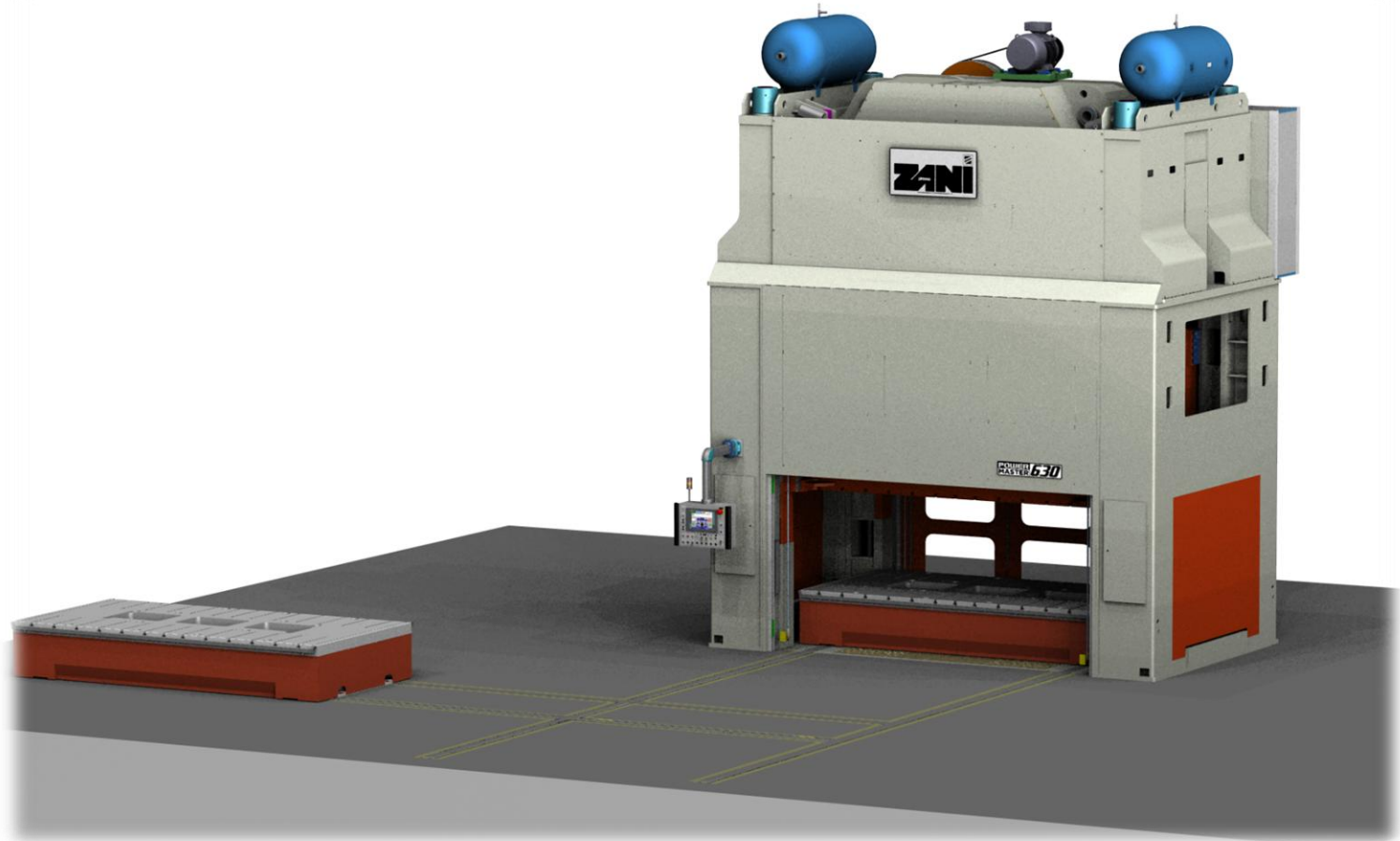
**MOTION
MASTER**

MM 600-D2-30-30



**MOTION
MASTER**

MM 630-S2-40-40



**MOTION
MASTER**

MM 800-S2-20-20



**MOTION
MASTER**

MM 800-S2-40-40



**MOTION
MASTER**

MM 800-S4-45-60



**SERVO
MASTER**

SM 800-S2-40-40



**SERVO
MASTER**

SM 1200-S2-45-40



**SERVO
MASTER**

SM 1250-S2-50-45



**SERVO
MASTER**

SM 1250-S4-60-60



**SERVO
MASTER**

SM 1500-S4-55-60



**SERVO
MASTER**

SM 2000-S4-70-85



**SERVO
MASTER**

SM 2500-S4-70-70



**SERVO
MASTER**

SM 3200-S4-70-72

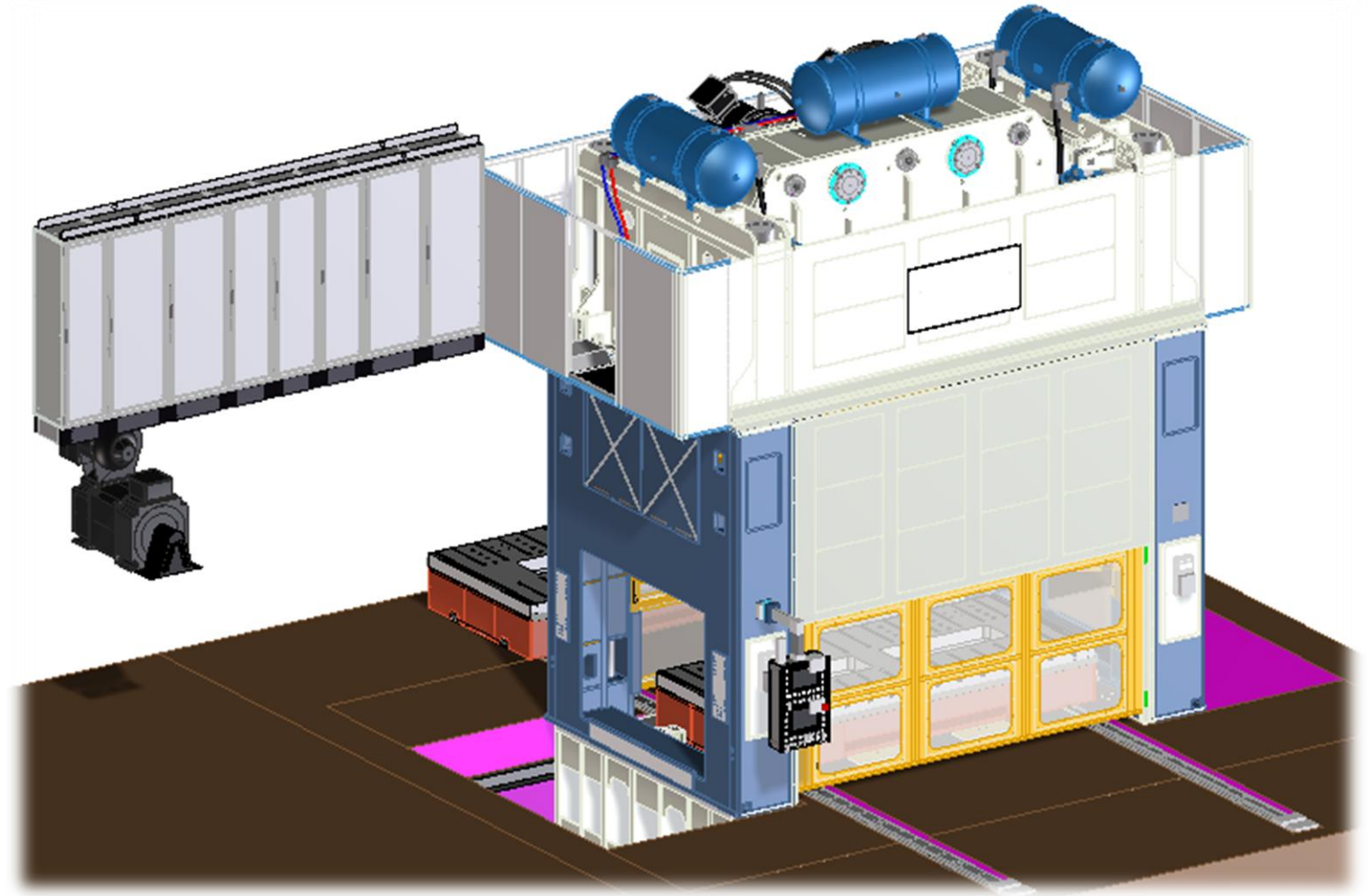


SERVO MASTER

SM 1100-S2-45-50

SERVO PRESS

- Nominal Force: 11000 kN
- Zani's Link Motion + Servo
- Working Tables: 4500x2000 mm
- Lateral Windows: 2450 mm
- N.2 Moving Bolsters F-R
- N.8+8 Semiautomatic Die Clamps on the slide



**MOTION
MASTER**

MM 1250-S2-61-60

MOTION MASTER PRESS

- Nominal Force: 12500 kN
- Zani's Link Motion
- Working Tables: 6100x2000 mm
- Lateral Windows: 2850 mm
- N.2 Moving Bolsters F-R
- N.12+12 Automatic Die Clamps

**COIL LINE (Coil weight 20 ton; Max.
width: 1600 mm; Min. width: 300 mm;
Thickness 0,4÷4 mm**

**3D ELECTRONIC TRANSFER
LUBRICATION
SCRAP CONVEYOR SYSTEM**



**SERVO
MASTER**

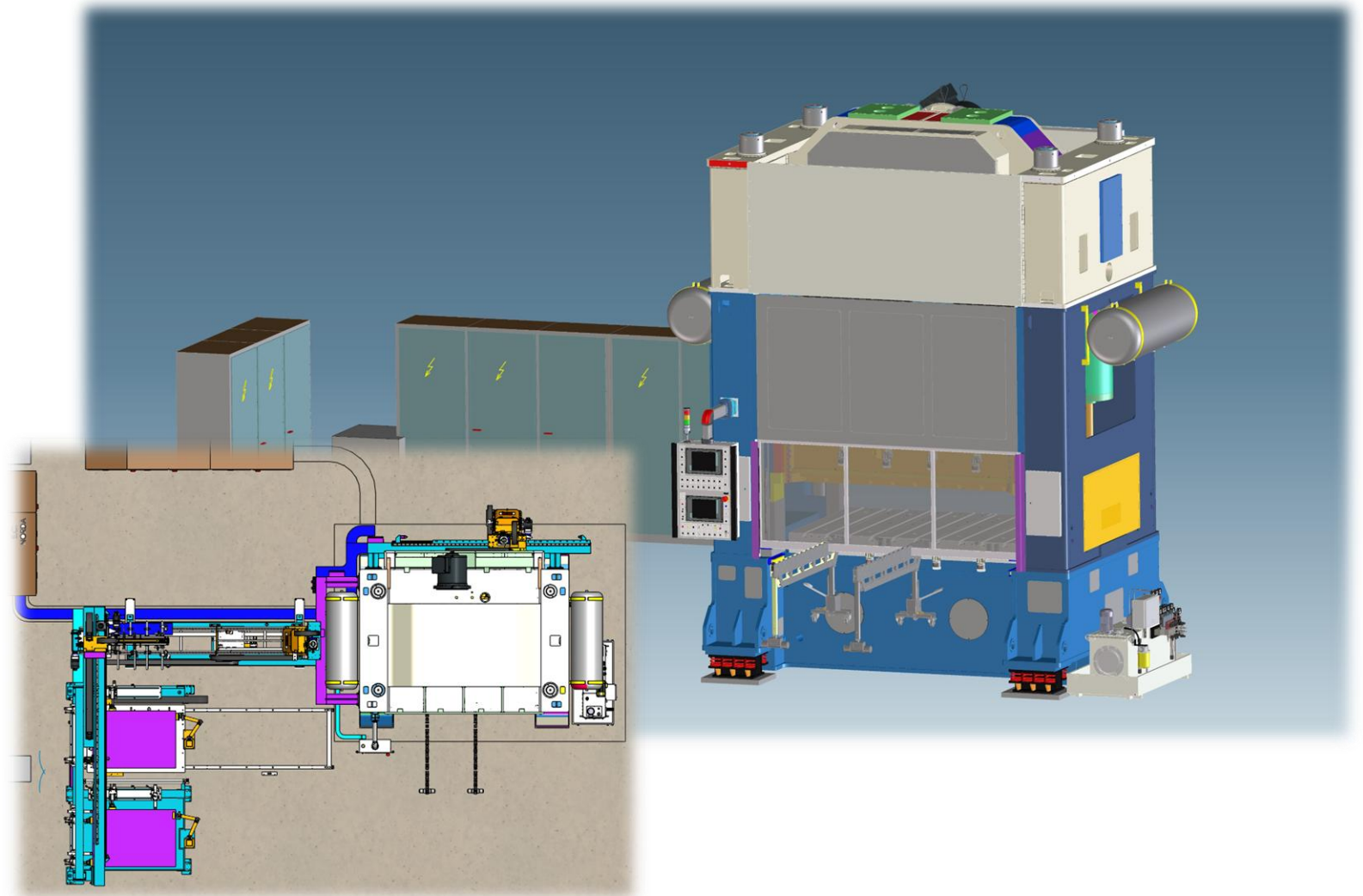
SM 400-S2-26-35

SERVO PRESS

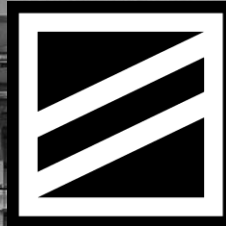
- Nominal Force: 4000 kN
- Zani's Link Motion + Servo
- Working Tables: 2600x1800 mm
- Lateral Windows: 1600 mm
- N.8+8 Automatic Die Clamps
- Die change system

AUTOMATION

- DESTACKER
- MANIPULATORS



Thanks for your attention



Luca Sala
Area Sales Manager

ZANI SPA
Metal Forming Machines



Via Centro Ind.le Europeo, 32
22078 TURATE (CO) - Italia
Tel. +39 02 9668 17.1
Mob. +39 334 9910733
e-mail L.sala@zani.net

www.zani.net