

mtmgroup

STRIP ENTRY LINES
TUBE FORMING MILLS
CUT OFF MACHINES
PACKING SYSTEMS
SLITTER TOOL ROBOT

mtmspa

Tube division

makesrl

Robotics division

ABOUT US

For over fifty years, MTM has built tube mills defined by strength, precision and reliability.

In an industry driven by constant change, durability alone is not enough. Our systems are engineered to adapt - through smart automation, scalable architecture and continuous innovation - supported by a dedicated team of engineers and specialists committed to long-term partnership and global service excellence.

We build performance.
We build continuity.
We build the future of tube production.

The **MTM** Team

Built
to last
Designed
to evolve

Experience and innovation

MISSION

MTM specializes in providing complete, high-performance, and high-precision coil-to-tube systems for manufacturers worldwide. With over 50 years of engineering experience, the company delivers more than equipment alone. Each solution is tailored to specific production objectives and designed to support evolving manufacturing requirements.

Through its two divisions—Tube Mill and Robotics—MTM leads the industry with a strong focus on experience and innovation.

Individually responsibly collectivity

10.000 sqm | UNI EN ISO 9001
HEADQUARTER | QUALITY CERTIFIED

DEVELOPING SOLUTIONS
Since 1962

Needsmeet solutions

WHAT WE DO

Pre-sales support and consultancy
Engineering and manufacturing
Installation and commissioning
Production know-how transfer
Remote/onsite after sales support

TUBE MILL - PRODUCT RANGE

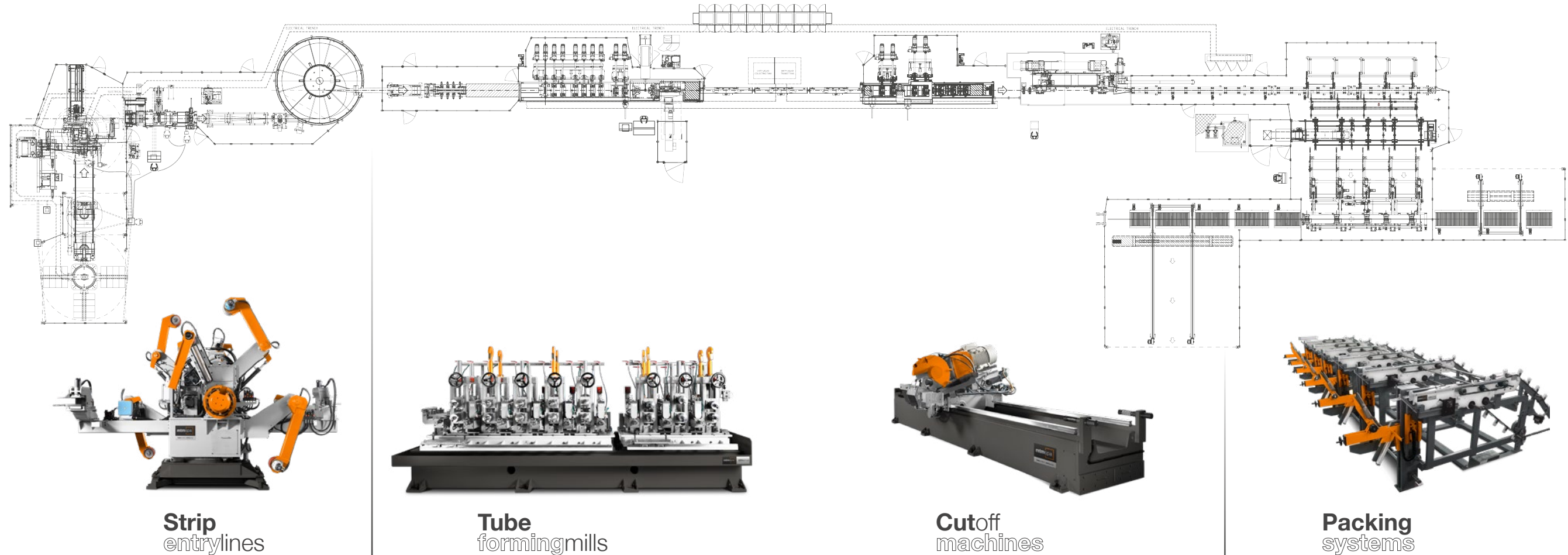
Carbon and stainless steel, aluminum
OD for 6 mm to 254 mm
WT from 0,2 mm to 10 mm

SLITTER TOOL ROBOT

Knives, rubbers and spacers handling
Washing and inspecting stations
Tools thickness > 1,0 mm

SPECIAL APPLICATIONS

MTM also supplies custom-designed special equipment to improve productivity and offer value-for-money solutions for revamping the existing lines.



Strip
entrylines

Tube
formingmills

Cutoff
machines

Packing
systems

Complete tubemills

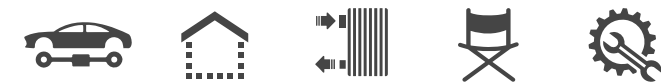
DESIGNERS
DEVELOPERS
INDUSTRIALIZERS
MANUFACTURERS
SPECIALISTS

DIFFERENTIATED PRODUCTS & DESIGN APPROACH

MTM COMPLETE TUBE MILLS provide with state of the art technology for the production of high quality tubes. They are well-known all around the world to be of high quality, with superior design and very accurate manufacturing.



Growing stronger together

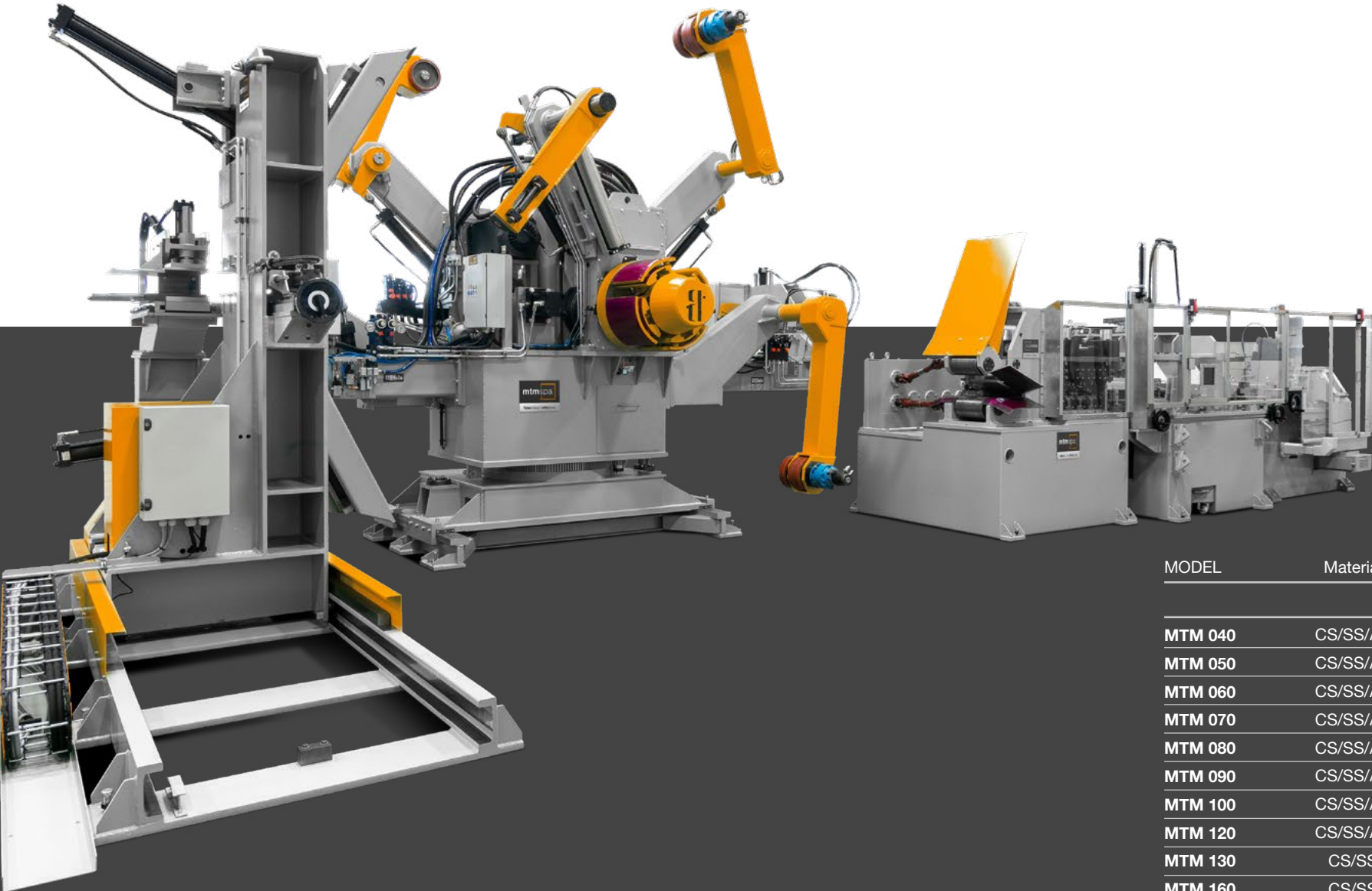


A whole range of products for different sectors like automotive, furniture, construction, food&chemical and for any specific application such as heat exchangers, car radiators, thermal system, windows, fences, greenhouses, sports equipment, brooms handles, clothes airers, transport of fluids, gas and oil , etc...

Tubedivision

Complete tubemills

MTM COMPLETE TUBE MILLS offer state of the art technology for the production of high quality tubes. Renowned worldwide for their superior design and very accurate manufacturing, they are synonymous with top-notch quality.



SECTORS AND APPLICATIONS

- Automotive – high strength materials
- Furniture – high aesthetic quality surface
- Structural – high strength-to-weight ratios
- Food/Chemical – quality and smooth interior
- API – for oil and natural gas transportation

SPECIFIC LINES FOR

- Thermal systems and heat exchangers
- Conduits for electrical cables housing
- Broom handles and clothes airers
- Greenhouses and solar equipment

TYPICAL COMPOSITION

- Coil managing system
- Peeler and decoiler
- Shear & End welder
- Strip accumulator
- Quick change tube mill
- Welding generator
- Flying cut off machine
- Packing system
- Finishing equipment

MODEL	Material	Welding process	OD min		OD max		WT min		WT max	
			mm	in	mm	in	mm	in	mm	in
MTM 040	CS/SS/AA	HF/T	6.0	0.236	28.0	1.102	0.2	0.008	1.2	0.047
MTM 050	CS/SS/AA	HF/T/L	10.0	0.394	38.1	1.500	0.5	0.020	2.5	0.098
MTM 060	CS/SS/AA	HF/T/L	12.7	0.500	63.5	2.500	0.6	0.024	3.0	0.118
MTM 070	CS/SS/AA	HF/T/L	15.8	0.625	76.2	3.000	0.9	0.035	4.0	0.157
MTM 080	CS/SS/AA	HF/T/L	21.0	0.827	80.0	3.150	1.0	0.039	5.0	0.197
MTM 090	CS/SS/AA	HF/T/L	25.4	1.000	88.9	3.500	1.0	0.039	5.5	0.217
MTM 100	CS/SS/AA	HF/T/L	33.0	1.300	114.3	4.500	1.2	0.047	5.5	0.217
MTM 120	CS/SS/AA	HF/L	38.1	1.500	127.0	5.000	1.5	0.059	6.0	0.236
MTM 130	CS/SS	HF/L	63.5	2.500	168.0	6.615	1.5	0.059	7.0	0.276
MTM 160	CS/SS	HF/L	88.9	3.500	219.0	8.625	2.5	0.098	8.0	0.315
MTM 170	CS/SS	HF/L	114.3	4.500	254.0	10.000	3.0	0.118	10.0	0.394

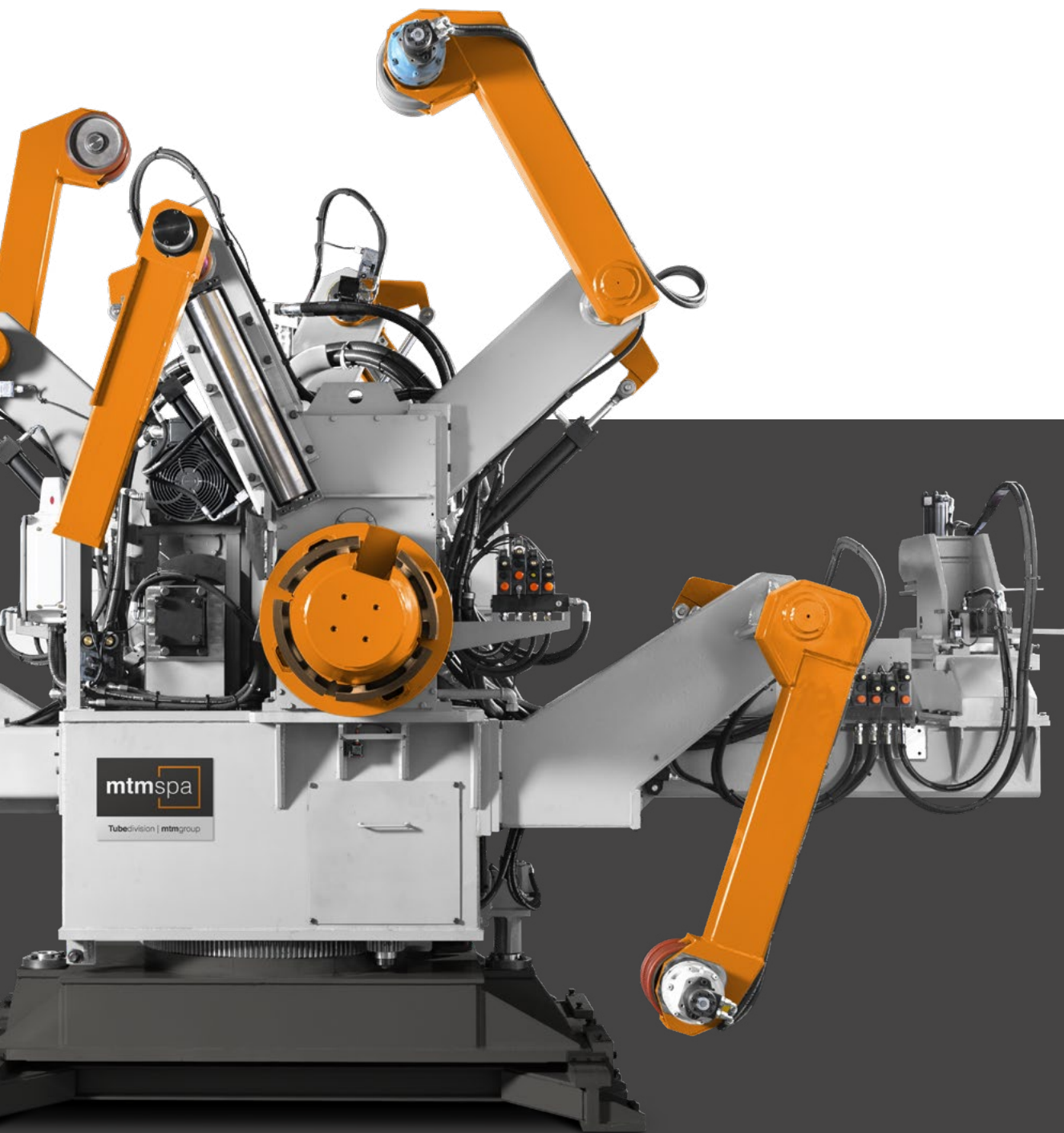
Standard range can be adapted to specific needs

CS Carbon steel SS Stainless steel AA Aluminum HF High Frequency T TIG L Laser

02.

Strip entrylines

MTM ENTRY LINES fit out the highest level of automation able to guarantee the increasing of the plant productivity and eliminating any machine downtime.



COMPONENTS

- Coil turnstile and upender
- Coil car or aerial loading system
- Single or double decoiler
- Peeler
- Strip flattener with pinch-roll
- Automatic shear & end welder
- Welding bead milling unit
- Welding bead annealing system
- Horizontal / vertical accumulator
- Strip edges trimming unit

FEATURES

- Automatic / semi-automatic version
- For high-performance / high-speed lines
- Continuous production without downtimes
- Straight, “U” and “L” version available
- Adaptable to every layout and any need
- Energy recovering system on demand
- Latest-generation machine control system
- EVO2 icon-based human-machine interface
- Diagnostic and troubleshooting module

MODEL	Width min		Width max		WT min		WT max		Operation	STD max speed	
	mm	in	mm	in	mm	in	mm	in		m/min	ft/min
MTM 040 SEL	18	0,709	80	3,150	0,2	0,008	1,2	0,047	S	180	591
MTM 050 SEL	30	1,181	120	4,724	0,5	0,02	2,5	0,098	S/F	170	558
MTM 060 SEL	38	1,496	200	7,874	0,6	0,024	3,0	0,118	S/F	160	524
MTM 070 SEL	48	1,890	240	9,449	0,7	0,028	4,0	0,157	S/F	150	492
MTM 080 SEL	65	2,559	254	10,000	0,8	0,031	5,0	0,197	S/F	140	459
MTM 090 SEL	78	3,071	280	11,024	1,0	0,039	5,0	0,197	F	130	427
MTM 100 SEL	100	3,937	360	14,173	1,2	0,047	5,5	0,217	F	120	394
MTM 120 SEL	118	4,646	400	15,748	1,5	0,059	6,0	0,236	F	120	394
MTM 130 SEL	198	7,795	530	20,866	1,5	0,059	7,0	0,276	F	80	262
MTM 160 SEL	279	10,984	690	27,165	2,5	0,098	8,0	0,315	F	60	197
MTM 170 SEL	358	14,094	800	31,496	3,0	0,118	10,0	0,394	F	60	197

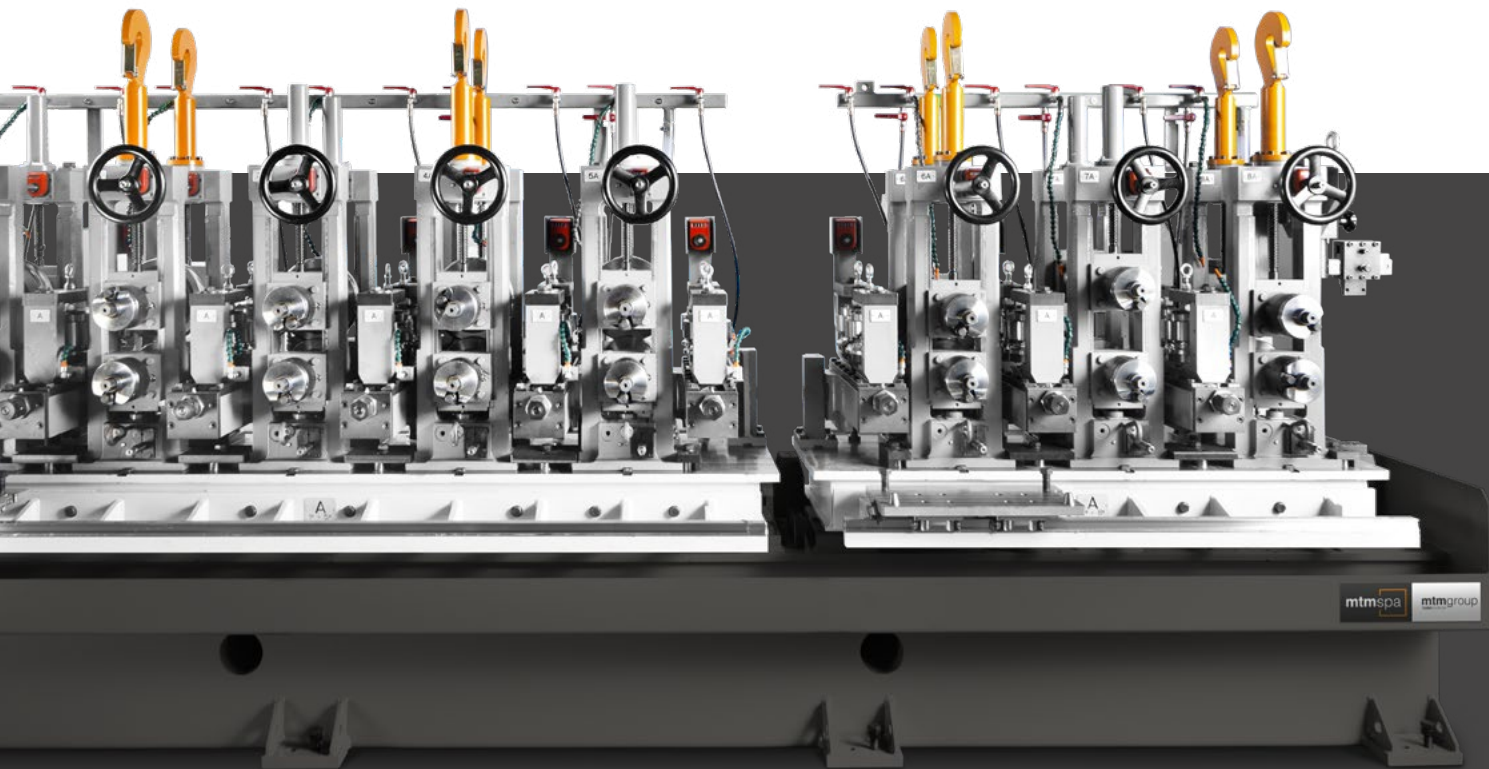
Standard range can be adapted to specific needs

S Semi automatic **F** Fully automatic (hands free)

03.

Tube formingmills

MTM TUBE MILLS are recognized as their high level of automation and precision. They are equipped with advanced in-line control systems that guarantee the constant control of the production parameters as well the quality and reliability of the production.



COMPONENTS

- 5 Break Down driven stands
- 3 Fin Pass driven stands
- 7 Idle forming stands with vertical shaft
- 1 Idle edge guide unit
- 1 Forging head with loading cells
- 4 Sizing driven stands
- 4 Idle sizing stands with vertical shaft
- Outside scarfing unit with double tooling set
- Air and water cooling units
- 2 Turk's heads with four rolls for round tube
- Additional Turk's head's for shaped profiles

FEATURES

- Vertical adjustment of lower shafts
- Vertical adjustment of idle stands
- Axial adjustment of upper shafts
- Centralized lubrication system
- Toolings quick change system
- Rolls position quick setting system

SPECIFIC PURPOSES

- Additional driven stands in any section
- Individual motor for each single stand/shaft
- Roughing stands for shaped profiles

MODEL	OD min		OD max		WT min		WT max		STD max speed	
	mm	in	mm	in	mm	in	mm	in	m/min	ft/min
MTM 040 TM	6,0	0,236	28,0	1,102	0,2	0,008	1,2	0,047	180	591
MTM 050 TM	10,0	0,394	38,1	1,500	0,5	0,020	2,5	0,098	170	558
MTM 060 TM	12,7	0,500	63,5	2,500	0,6	0,024	3,0	0,118	160	524
MTM 070 TM	15,8	0,625	76,2	3,000	0,7	0,028	4,0	0,157	150	492
MTM 080 TM	21,0	0,827	80,0	3,150	0,8	0,031	5,0	0,197	140	459
MTM 090 TM	25,4	1,000	88,9	3,500	1,0	0,039	5,0	0,197	130	427
MTM 100 TM	33,0	1,300	114,3	4,500	1,2	0,047	5,5	0,217	120	394
MTM 120 TM	38,1	1,500	127,0	5,000	1,5	0,059	6,0	0,236	120	394
MTM 130 TM	63,5	2,500	168,0	6,615	1,5	0,059	7,0	0,276	80	262
MTM 160 TM	88,9	3,500	219,0	8,625	2,5	0,098	8,0	0,315	60	197
MTM 170 TM	114,3	4,500	254,0	10,000	3,0	0,118	10,0	0,394	40	131

Standard range can be adapted to specific needs

04.

Cutoff machines

MTM CUT OFF MACHINES are well-known all around the world for their high precision and performance levels in terms of quality and reliability standards.



CUTTING PROCESS

- Cold saw, HSS and TCT
- Twin saw HS& and TOT
- Orbital saw, HSS and TCT
- Friction saw
- Single and double knife

OPTIONAL FEATURES

- “Cut to weight” system
- Scrap tube optimization

FEATURES

- Last generation machine control system
- EVO2 icon-based human-machine interface
- Quick setting of all parameters (wizard)
- Diagnostic and troubleshooting module
- Energy recovering system on demand
- Blade life analysis module on demand
- Easy integration into existing tube mill

MODEL	OD min		OD max		WT min		WT max		Cutting process	Length Tolerance		Max cuts	Max speed	
	mm	in	mm	in	mm	in	mm	in		mm	i n		cuts/min	m/min
TC500 RAD					0,2	0,008	0,35	0,014	P	±0.3	±0.012	500	120	394
A025 SK	6,0	0,236	28,0	1,102	0,2	0,008	1,20	0,047	SK	±0.5	±0.020	150	200	656
A025 CS	6,0	0,236	28,0	1,102	0,2	0,008	1,50	0,059	CS	±1.0	±0.039	50	180	591
A050 CS	8,0	0,315	63,5	2,500	0,3	0,012	3,00	0,118	CS	±1.0	±0.039	35	160	524
A071 CS	12,7	0,500	88,9	3,500	0,5	0,020	5,00	0,197	CS	±1.0	±0.039	25	150	592
A100 CS	25,4	1,000	152,4	6,000	1,0	0,039	6,00	0,236	CS	±1.5	±0.059	20	120	394
A130 CS	63,5	2,500	177,8	7,000	1,5	0,059	9,50	0,374	CS	±1.5	±0.059	20	120	394
TWIN 219	76,2	3,000	219,0	8,625	2,0	0,079	10,00	0,394	FS	±2.5	±0.100	15	80	262
A206 COMBY	63,5	2,500	168,0	6,615	1,5	0,059	7,00	0,276	OS	±1.5	±0.059	15	80	262
A208 COMBY	88,9	3,500	219,0	8,625	2,5	0,098	8,00	0,315	OS	±1.5	±0.059	15	60	197
A210 COMBY	114,3	4,500	254,0	10,000	3,0	0,118	10,00	0,394	OS	±2.5	±0.100	15	60	197
A071 FS	12,7	0,500	88,9	3,500	1,5	0,059	7,00	0,276	FS	±1.0	±0.039	25	160	524
A100 FS	25,4	1,000	152,4	6,000	1,5	0,059	8,00	0,315	FS	±1.5	±0.059	20	120	394
A200 FS	76,2	3,000	219,0	8,625	2,0	0,079	10,00	0,394	FS	±1.5	±0.059	20	80	262
M&K1.5	10,0	0,394	43,0	1,500	0,5	0,020	2,50	0,098	SK/DK	±1.5	±0.059	60	200	656
M&K3	19,0	0,750	76,2	3,000	0,8	0,031	4,00	0,157	SK/DK	±1.5	±0.059	57	150	524
M&K5	33,0	1,300	127,0	5,000	1,5	0,060	6,00	0,236	SK/DK	±1.5	±0.059	40	120	394
M&K6	50,8	2,000	152,4	6,000	1,0	0,039	4,00	0,157	SK/DK	±1.5	±0.059	37	80	262

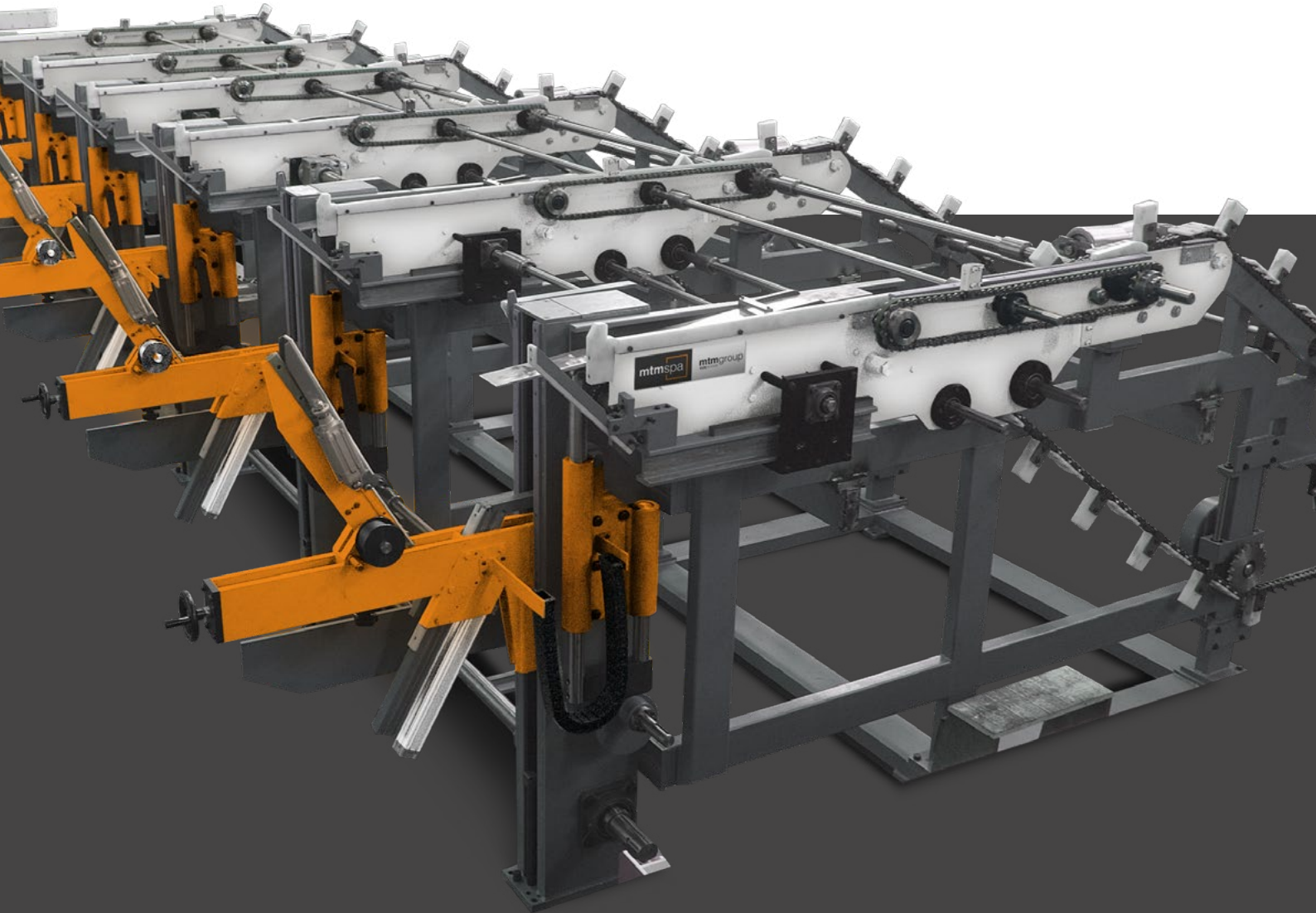
Standard range can be adapted to specific needs

CS Cold saw – single blade OS Orbital cold saw - double blades
FS Friction saw – single blade SK Single knife DK Double knife

05.

Finishing & packing systems

MTM PACKING SYSTEMS are well recognized for the high quality and reliability, superior design and very accurate manufacture, able to meet any production needs.



COMPONENTS

- Scrap tubes collecting system
- Tubes layering station
- Bundle forming station
- Weighing/draining station
- Bundle exit conveyor
- Bundle storage area
- Semi-automatic strapping unit
- Bundle labelling station

FEATURES

- Hexagonal, square and rectangular bundles
- Frontal or lateral version available
- Customizable to every layout and any need

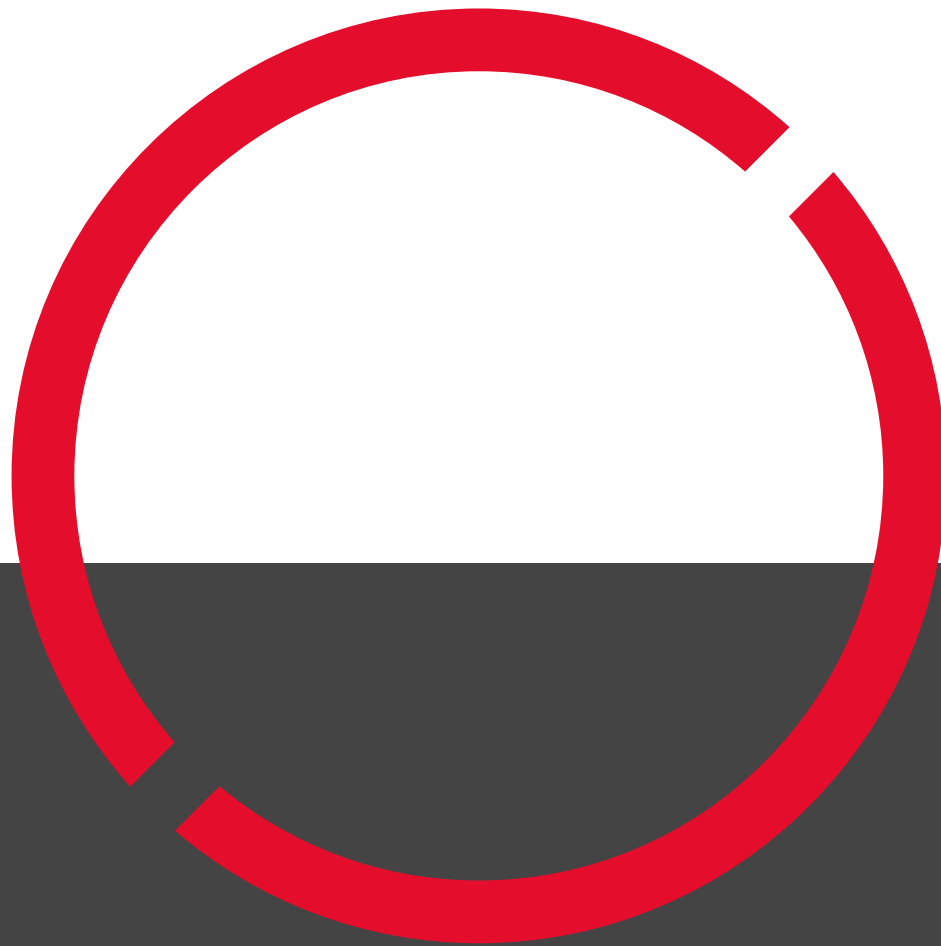
SPECIFIC PURPOSES

- Magnetic stacking system
- Automatic strapping unit
- Blowing and flushing system

MODEL	OD min		OD max		WT min		WT max		Version	STD max speed	
	mm	in	mm	in	mm	in	mm	in		m/min	ft/min
MTM STKRAD	10,0	0,400	25,0	1,0	0,2	0,080	1,2	0,050		180	591
MTM PK1.5	10,0	0,394	38,1	1,5	0,5	0,020	2,5	0,098	F/L	170	558
MTM PK2.5	12,7	0,500	63,5	2,5	0,6	0,024	3,0	0,118	F/L	160	524
MTM PK3.5	15,8	0,500	88,9	3,5	0,7	0,030	5,0	0,200	F/L	150	492
MTM PK5	33,0	1,300	127,0	5,0	1,0	0,040	6,0	0,240	L	120	394
MTM PK6	51,0	2,000	168,0	6,0	1,5	0,060	7,0	0,275	L	80	262

Standard range can be adapted to specific needs

F Frontal version L Lateral version



Revolutionizing Slitter Tool Handling

The Slitter Tool Automatic Handling Loader (STAHL) revolutionizes slitter line operations by fully automating the tool handling process. By eliminating manual intervention, STAHL minimizes human error and safety risks. Leveraging patented technology, it delivers unparalleled efficiency and speed to maximize your production.

Roboticsdivision

STAHL

Slittertool automatic handling loader



Solutions

TOOL STORAGE

- modular layout storage
- ultra high capacity
- best fit with existing slitters



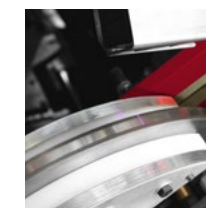
TOOL HANDLING

- less than 11 sec/tool
- any tool thickness from 1,0 mm
- sticky tool separation
- brushless servomotors control
- intelligent loading and unloading



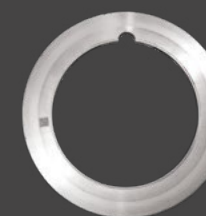
KNIVES CHECKING

- repeatability up to 5 micrometers
- edge wear measurement
- defects detection
- knives re-classification
- damaged or worn knives automatic ejection



TOOL ID READING

all tools uniquely recognized
engraved laser-marked 2D code on
each tool does not require operator to
enter tool feature at any loading
system automatically recognizes all
tools, updates database and stores
them in the right place



TOOL WASHING

Full automatic tool washing system
with detergent + heat + ultrasonics
+ passivation + drying





 CONTACTS

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