

TUBE

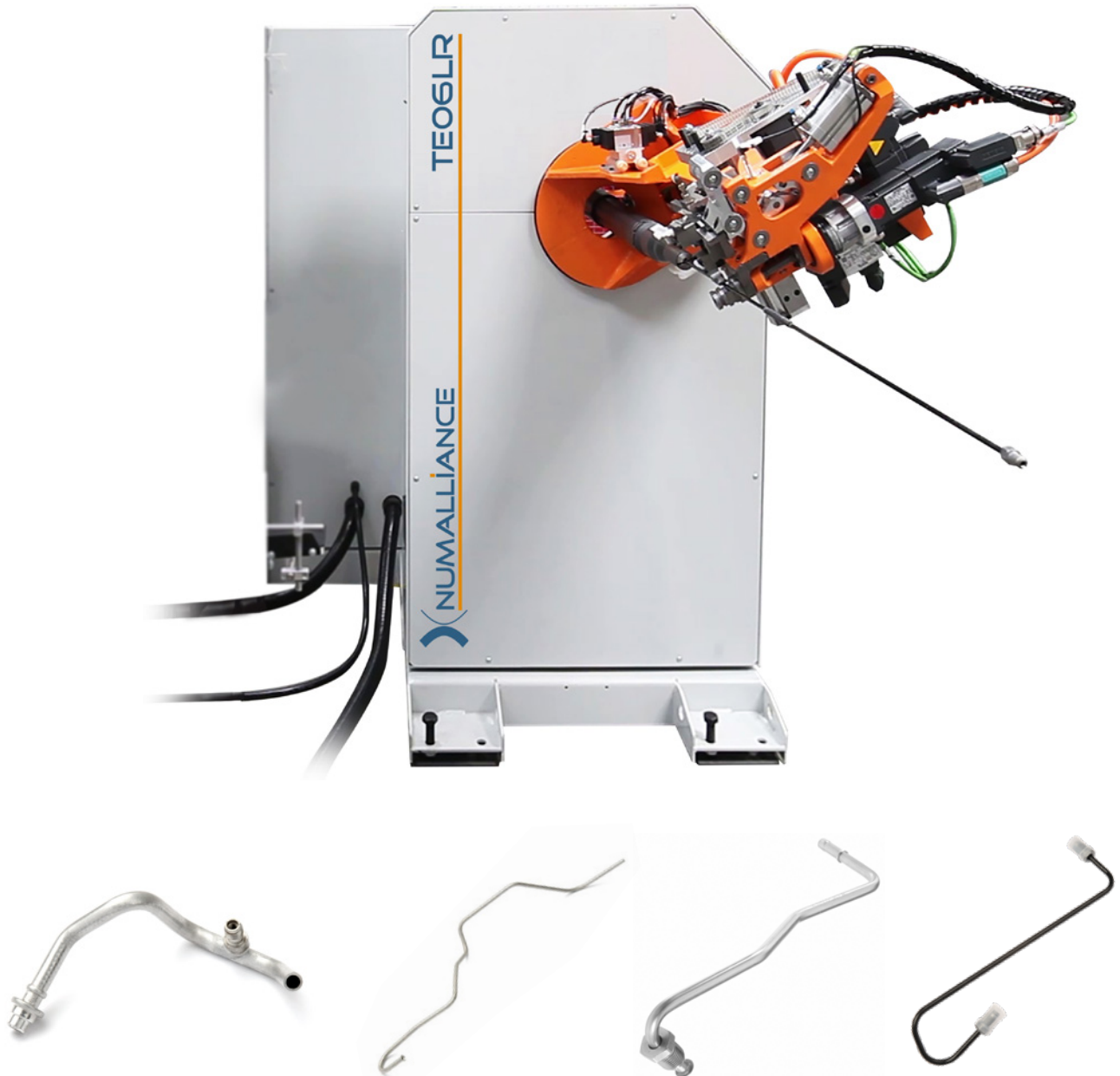


TUBE BENDING MACHINE

# TE SMALL Ø

FLEXIBLE, MULTI STACK AND QUICK  
TOOLING CHANGEOVER

Ø 3 to 20x2 mm  
Ø .12 to .78x.08"



## TUBE BENDING MACHINE

## TE SMALL Ø



3D control



Loading / Unloading



Automation

	TE06LR	TE16LR	TE16S	TE18LR	TE20/TE20LR
<b>Max Tube Ø</b>	6,35x0,75mm at 400N/mm <sup>2</sup> .25x.03" at 58 KSI	16x2mm at 400N/mm <sup>2</sup> .625x.08" at 58 KSI	16x2mm at 400N/mm <sup>2</sup> .625x.08" at 58 KSI	18x2mm at 400N/mm <sup>2</sup> .71x.08" at 58 KSI	20x2mm at 400N/mm <sup>2</sup> .80x.08" at 58 KSI
	8x0,75mm at 250N/mm <sup>2</sup> .315x.03" at 36 KSI	20x2mm at 250N/mm <sup>2</sup> .80x.08" at 36 KSI	20x2mm at 250N/mm <sup>2</sup> .80x.08" at 36 KSI	20x2mm at 250N/mm <sup>2</sup> .80x.08" at 36 KSI	16x2mm at 600N/mm <sup>2</sup> .625x.08" at 85 KSI
<b>Tube length</b>	1200 to 2000mm 47" to 78"	1200 to 3000mm 47" to 118"	800mm 32"	1200 to 3000mm 32"	2000 to 3000mm 79" to 118"
<b>Max bending radius</b>	25 mm 1"	50mm (or 62mm if 1 stack) 2" (or 2.4" if 1 stack)	62 mm 2.4"	50mm (or 62mm if 1 stack) 2" (or 2.4" if 1 stack)	50mm (or 62mm if 1 stack) 2" (or 2.4" if 1 stack)
<b>Bending tools</b>	3 stacks <sup>(1)</sup> Left and right	4 stacks <sup>(1)</sup> Left and right	1 to 3 stacks <sup>(1)</sup> Left or right	4 stacks <sup>(1)</sup> Left and right	4 stacks <sup>(1)</sup> Option: Left and/or right

(1) depending on the configuration

## APPLICATIONS

- Automotive: hydraulic and fluid transfer lines, H.V.A.C., EGR tubes, tube brake line
- Air and Space: hydraulic piping "circulation control wing", fuel, structure
- Medical, agricultural, household appliances, motorbike,...

## MAIN FEATURES

- 100% electric benders
- Multistack and multi-radii
- Quick tool change
- Draw bending (With/without mandrel) and push bending
- Direct bending transmission
- Patent on left and right bending
- Orbital bending head (option)
- Industrial PC based software : Touch & Form Multilingual dialog and programming interface on a 19" touch screen
- Easy integration in automated production cells
- Possibility to combine bending with complementary operations
- Simulation programm
- Ready for Industry 4.0



**TOUCH & FORM**  
by NUMALLIANCE

