

# SERIE GALILEO

## PQ2 NUMERICAL CONTROL

- 2 controlled axis: roll rotation (profile feeding) and position of the bending roll
- The 2 axis are controlled independently and simultaneously at constant speed
- The operator's panel comprises a graphic 2-colour touch-screen display with on screen keyboard
- Possibility to operate the machine in manual and automatic mode
- Storage capacity: 99 programs of 30 steps for each program
- Built-in flash memory slot to export programs & data

In addition to the standard numerical control PQ2 the machine can be equipped with 4<sup>th</sup> roll and proximity detector, in order to perform the automatic reset of the axis at the beginning process and to reference with the maximum precision the profile feeding.



## comac

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## comac

# SERIE GALILEO

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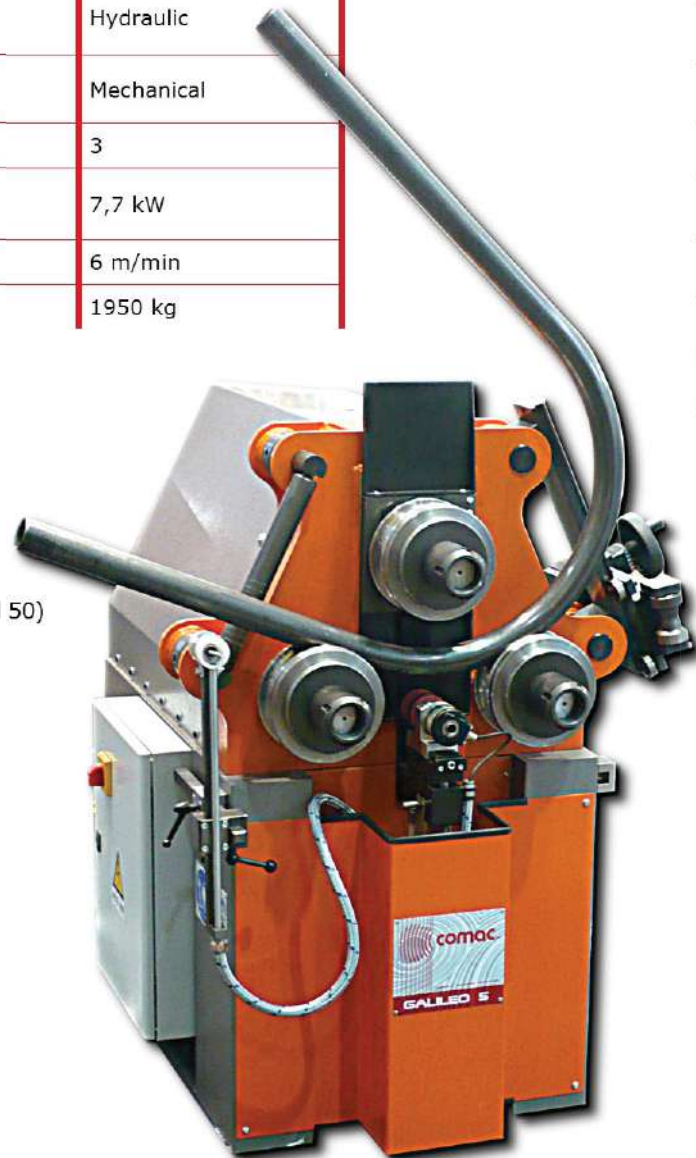
The thirty-years experience of Comac means superior level of performance with high rate of accuracy and consistency, constant for all the life of the machine and almost maintenance free.  
 Now, beside its main line of machines addressed to the industry, Comac announces the Series Galileo, whose easiness of use matches with the affordability both in the initial investment and in the ordinary service, as proved by the vast number of jobs feasible with the standard equipment.  
 All of this makes the Series Galileo the ideal solution for low and medium production volumes of small industry and fabrication shops.  
 Series Galileo machines feature three driving rolls, with the upper roll hydraulically adjustable and equipped with slip clutch.  
 All Galileo models include digital readout to reference the position of the bending roll and can operate in both horizontal and vertical work position.

## TECHNICAL CHARACTERISTICS

	Galileo 40	Galileo50	Galileo 80
<b>SHAFT DIAMETER:</b>	40 mm	50 mm	85 mm (Top) 75 mm (Bottom)
<b>ROLLS DIAMETER:</b>	145 mm	180 mm	245 mm
<b>ADJUSTMENT OF BENDING ROLLS:</b>	Manual (PM) Hydraulic (HV)	Hydraulic	Hydraulic
<b>ADJUSTMENT OF LATERAL GUIDE ROLLS:</b>	Mechanical	Mechanical	Mechanical
<b>DRIVEN ROLLS:</b>	3	3	3
<b>POWER:</b>	0,75 kW (PM) 1,1 kW (HV)	1,5 kW	7,7 kW
<b>ROLLING SPEED:</b>	3,7 m/min	4,4 m/min	6 m/min
<b>WEIGHT</b>	370 kg	530 kg	1950 kg

### STANDARD EQUIPMENT:

- HORIZONTAL/VERTICAL WORKING POSITION COMBINATION
- 9 PIECES OF STANDARD MODULAR ROLLS
- READOUT TO REFERENCE THE POSITION OF BENDING ROLL
- BUTTONS TO CONTROL THE MACHINE AND EMERGENCY
- MECHANICAL STOP TO GET HIGHER REPEATABILITY (on sizes 40 and 50)
- BENDING ROLL PROGRAMMABLE POSITIONER (on size 80)



## CAPACITY CHART

Type of section	Galileo 40		Galileo 50		Galileo 80		
	Section dimension up to [mm]	To minimum inside diameter of the curve [mm]	Section dimension up to [mm]	To minimum inside diameter of the curve [mm]	Section dimension up to [mm]	To minimum inside diameter of the curve [mm]	
	60 x 10	600	80 x 10	800	100 x 20	1200	STD
	80 x 15	400	100 x 20	800	160 x 30	800	STD
	35 x 35	600	40 x 40	600	60 x 60	800	STD
	35	600	45	800	65	700	STD
	70 x 2	2000	80 x 2,5	2000	-	-	SPE
	60,3 x 3,2	1000	76,1 x 2,9	1000	114,3 x 5	2000	SPE
	60x30x3	(§)	80x40x3	(§)	100x50x4	(§)	STD
	50 x 3	(§)	60 x 3	(§)	100x100x3	(§)	STD
	50 x 6	600	60 x 6	1400	80x80x8	900	STD
	50 x 6	1000	50 x 6	1000	70x70x7	1000	SPE
	50x50x6	500	60x60x6	600	80x80x9	800	STD
	50x50x6	500	60x60x6	800	80x80x9	1200	STD
	50x50x6	400	60x60x6	600	100x100x9	1200	STD
	80 x 45	800	100 x 50	1000	UNP180	600	STD
	80 x 45	1200	100 x 50	2000	UNP180	1500	STD
					IPE/IPN180	1500	STD
					HEB100	1000	STD

§ - Depending on acceptable deformation

STD - Sufficient standard rolls

SPE - Special rolls or special tooling required

Notes:

- The capacity chart refers to a material with yield strength 260 N/mm<sup>2</sup>
- Minimum diameters are normally achievable in multiple passages
- Smaller section can generally be bent at smaller diameters than the ones indicated

### SPECIAL EQUIPMENT

- ROLLS FOR TUBE
- TOOLING TO BEND ANGLE LEG-IN
- ATTACHMENT TO ROLL HANDRAIL OF SPIRAL STAIRCASES
- SCROLL FORMING ATTACHMENT
- STOCK TWISTING ATTACHMENT
- PRESS BRAKING ATTACHMENT
- PQ2 NUMERICAL CONTROL

