

HIGHLINES

All you can bend



THE BENDMADE

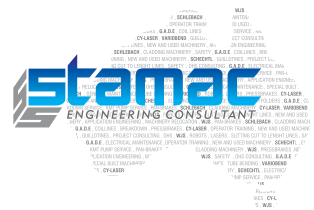


Collection

VALUES



THE BENDMADE



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QUALITY



INNOVATION

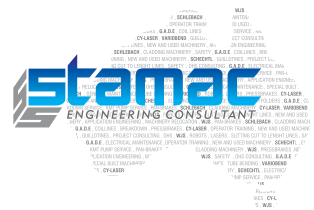


PASSION

FACTORY



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COMPANY



The history of Gade has always been focused on passion and innovation.

Building high **quality machines for sheet metal** processing is the goal we have set ourselves since our first day of activity, back in 1980.

More than thirty years have passed since then, but the commitment to the continuous improvement of our products has remained unchanged and has led **Gade** to become one of the **best Italian companies in the sector**.

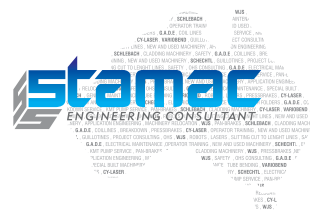
Gade's large market share has been possible thanks to its **reliable, sturdy and high-precision machines**.

Gade manufactures **top-of-the-range machine tools** for companies that process sheet metal and, in particular, supplies three product lines: hydraulic press brakes with electronic synchronization, electric bending presses and hydraulic guillotine shears.

Our company stands out in the Italian panorama not only for product high quality standards but also for the **all-round assistance** it provides to its customers. Both **product design and marketing** as well as **rapid and accurate customer service** are performed in-house.



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🇬🇧 Accurate performance of component part processing. Cylinder in-house assembly by highly qualified staff.

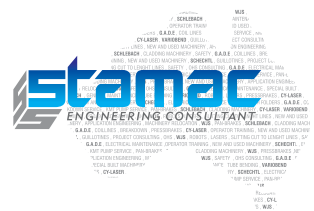


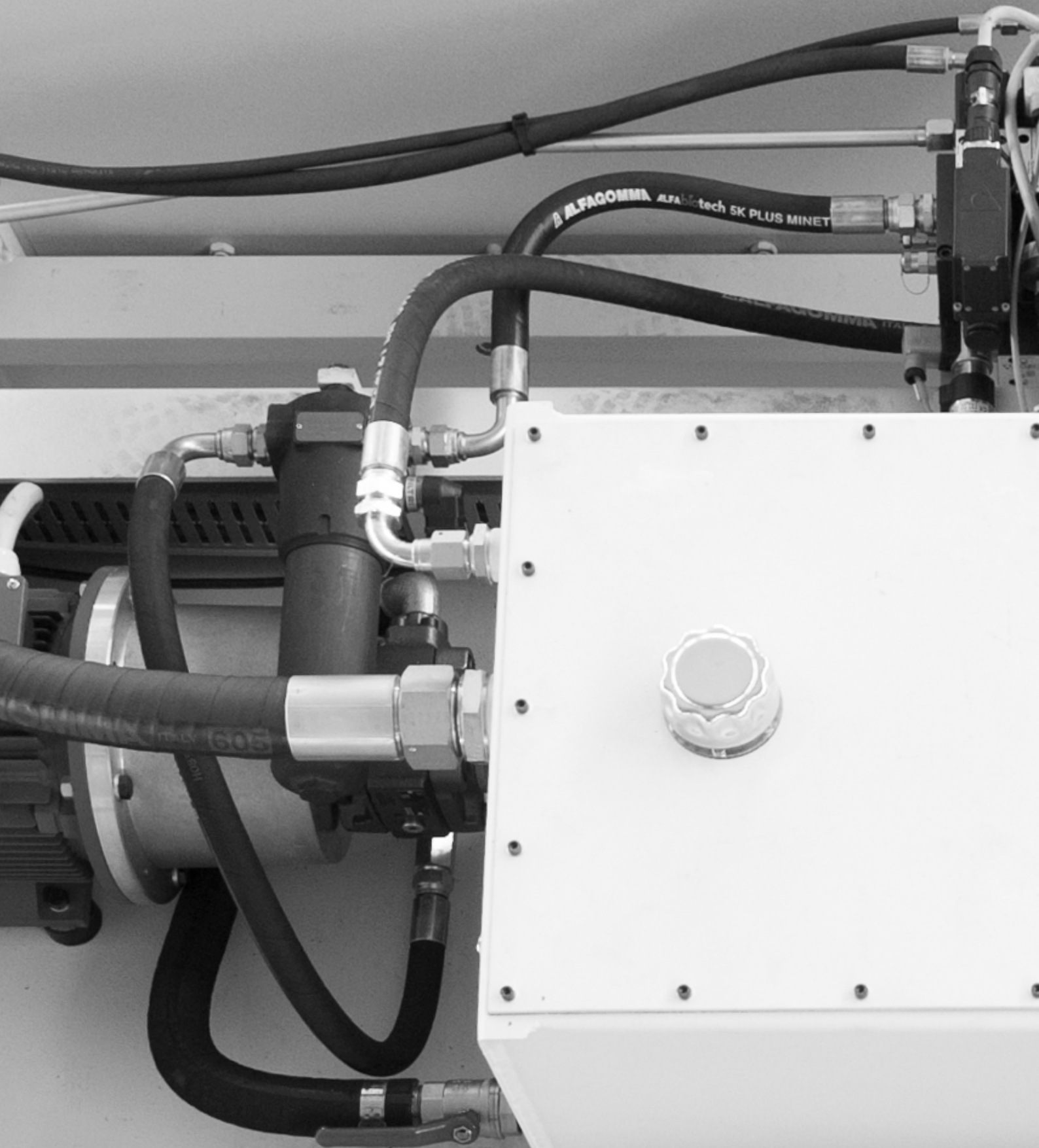


 The press brakes of the Hybrid series, as well as all our machines, are totally in-house designed by our research and development department.

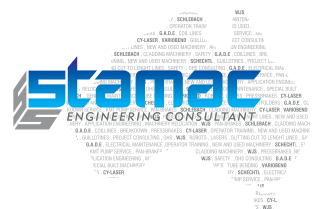


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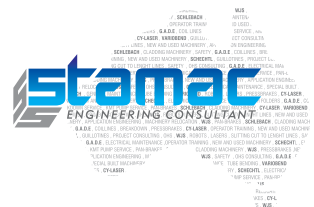
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ELEMENTS



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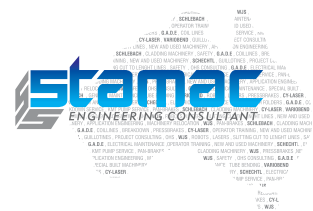


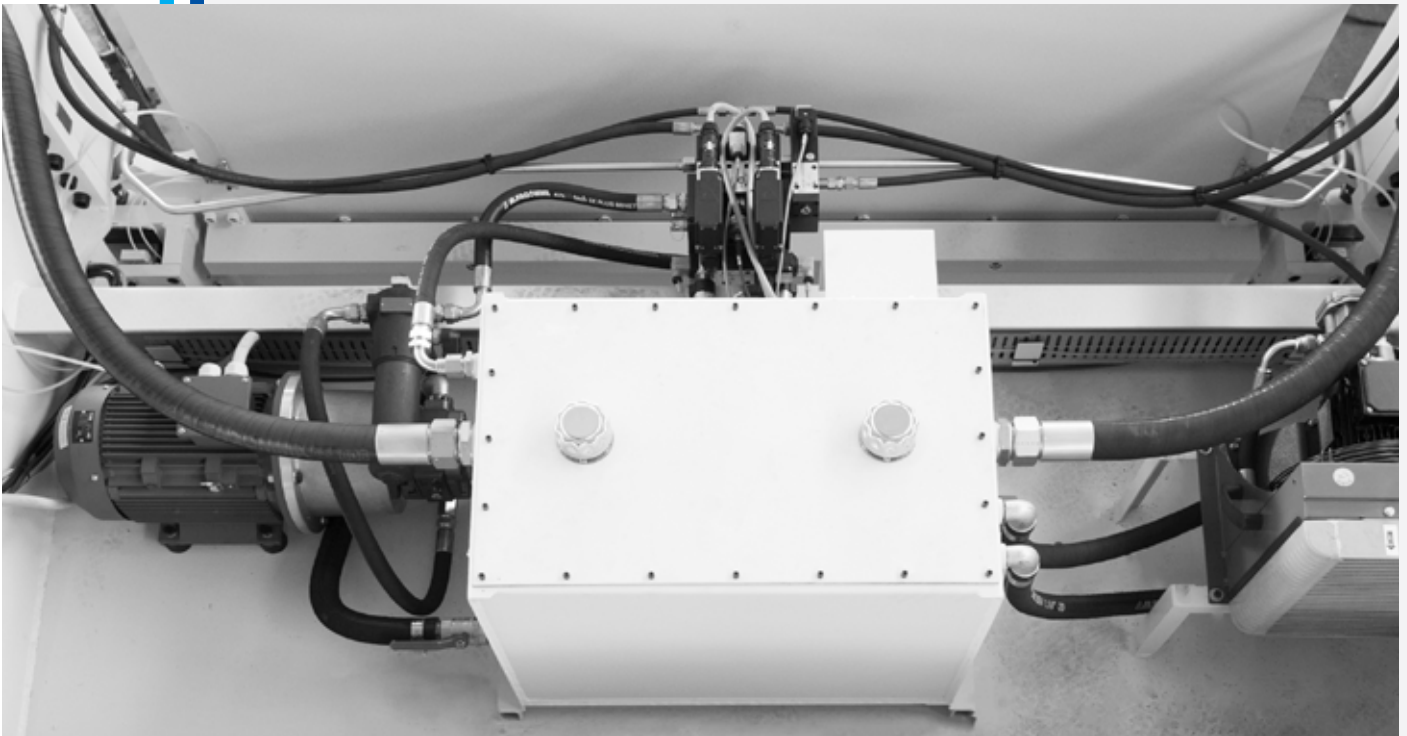


Lower t-table with sandwich-type hydraulic compensation of both top beam and t-table curve (HYDRAULIC CROWNING) for bending angle max precision on the whole length of the workpiece. All Gade press brakes are equipped with this system, which is automatically managed by numerical control.



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-  Only components manufactured by top companies are installed on Gade press brakes. Hydraulic system fine tuning for great performances, reliability and long lifetime.

-  Electrical panels are totally in-house designed and assembled using components manufactured by leading companies for great performances, reliability and long lifetime.

HIGHLINES: PS / PS-C series

HIGHLINES PRESS BRAKES

- ✚ Gade synchronized press brakes are indispensable in sheet metal forming processes as the reliability of hydraulic technology combines with versatility and speed guaranteed by the inverter.

GENERAL CHARACTERISTICS

- ✚ Electronic measurement of top beam extension (Y1 – Y2 axes) by means of linear digital transducers installed so as to completely avoid the negative effect of machine side flexure occurring during operation.
- ✚ Balancing and positioning of the top beam by means of servo-proportional valves to perform fully side bending without bending angle variations.
- ✚ Machine sliding guides provided with anti-friction gibs totally wear-free.
- ✚ Double-effect main hydraulic cylinders, lapped liner, induction-hardened, ground, chromed and polished piston rod.

STANDARD CONFIGURATION

- ✚ ESAUTOMOTION graphic CNC, 15" touchscreen
- ✚ 4 controlled axes (Y1 – Y2 – X1 – R)
- ✚ Inverter-operated main motor.
- ✚ Automatic hydraulic crowning system (PS models excluded)
- ✚ Promecam tooling with adjustable intermediate clamps, hardened and ground tools supplied in sections.
- ✚ Manually operated lever top tool quick release clamps.
- ✚ Die holder table, reduced width.
- ✚ Front adjustable sliding backgauge fingers and locking brake.
- ✚ Laser front safety guard.
- ✚ Mechanical side protections with safety switches.
- ✚ Rear safety protection w/photocell curtain.
- ✚ Automatic centralised guide lubrication.
- ✚ Double pedal control.
- ✚ Front sheet supports sliding on ball screw guides .
- ✚ Software to develop customized programs.



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PS-C Series



PS-C 3160

HIGHLINES: PS / PS-C series



PS 0838



PS-C 290



PS-C 3300

HIGHLINES: PS / PS-C series



PS-C 4400



PS-C 6200



PS-C 8600



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stamac
ENGINEERING CONSULTANT

STAMAC ENGINEERING CONSULTANT is a leading engineering and design firm, providing a wide range of services to its clients. The company is based in the United Kingdom and has a reputation for high-quality work and excellent customer service. STAMAC has a team of experienced engineers and designers who are capable of handling a wide range of projects, from small-scale design work to large-scale engineering projects. The company is also involved in the development of new products and processes, and is committed to staying at the forefront of engineering technology.

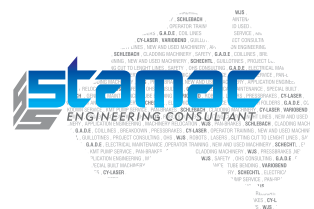
STAMAC has a long history of working with a wide range of clients, including manufacturers, service providers, and government bodies. The company has a proven track record of delivering high-quality engineering solutions on time and within budget. STAMAC is a member of the Institution of Mechanical Engineers (IMECH) and the Institution of Engineering and Technology (IET), and is committed to continuing professional development for all of its staff.

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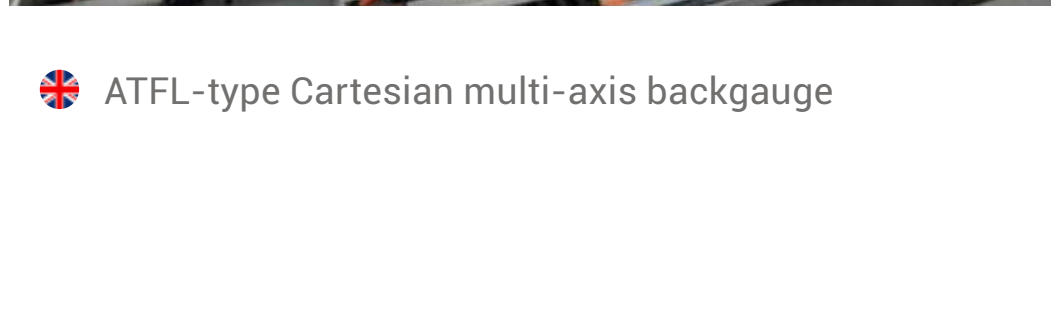
ACCESSORIES

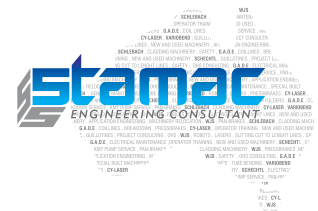


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- Intermediate clamps with front locking and unlocking, manual quick release and self-alignment



- Adjustable intermediate clamps with front locking and unlocking, pneumatic clamping and self-alignment



- Increased-height adjustable intermediate clamps (deep bending performance) with front locking and unlocking, pneumatic clamping and self-alignment



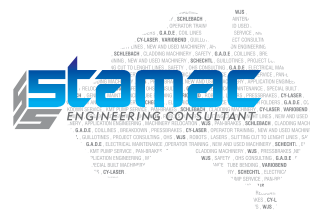
Top beam LED bar to ease machine tooling and the use of more bending units



Heavy duty adapter



THE BENDMADE





🇬🇧 Locking system suitable for all kinds of tools

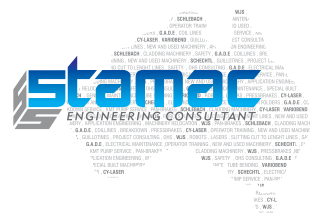


🇮🇹 Diversi sistemi di bloccaggio per utensili Wila

🇬🇧 Special locking systems for Wila tools



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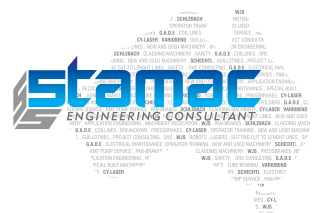




Motorized brackets for work area protection. CNC-controlled automatic positioning according to the installed top tool



THE BENDMADE





🇬🇧 Real-time bending angle control through DATA M SYSTEM

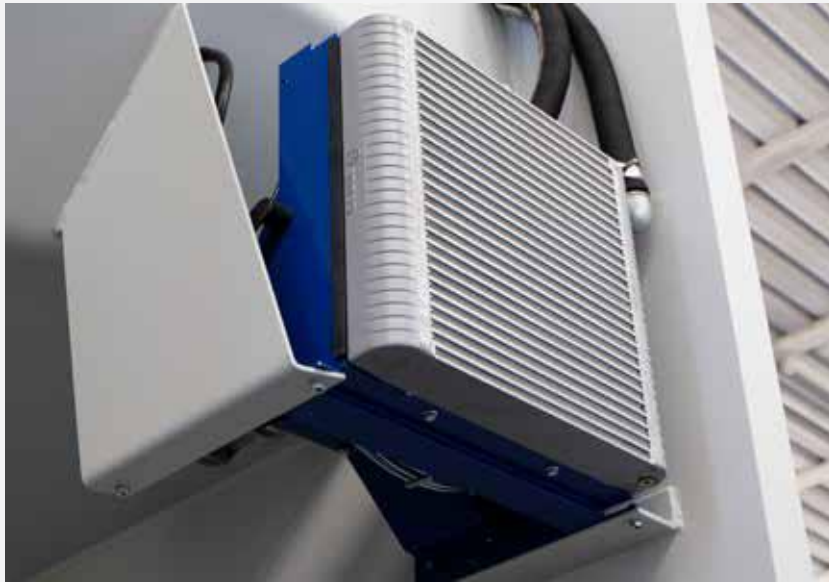


🇬🇧 Bending angle control through LAZER SAFE Mod. IRIS PLUS

 CNC-controlled pneumatically operated hemming bench



CNC-controlled front sheet followers for easier bending



🇬🇧 AIR/OIL heat exchanger for hydraulic circuit cooling



🇬🇧 Wireless console

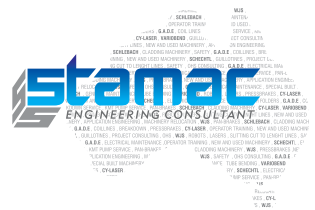


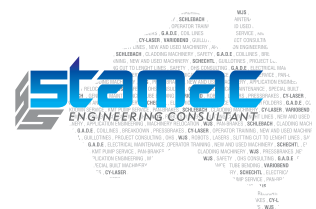
PS-C 4120

CNC-SOFTWARE

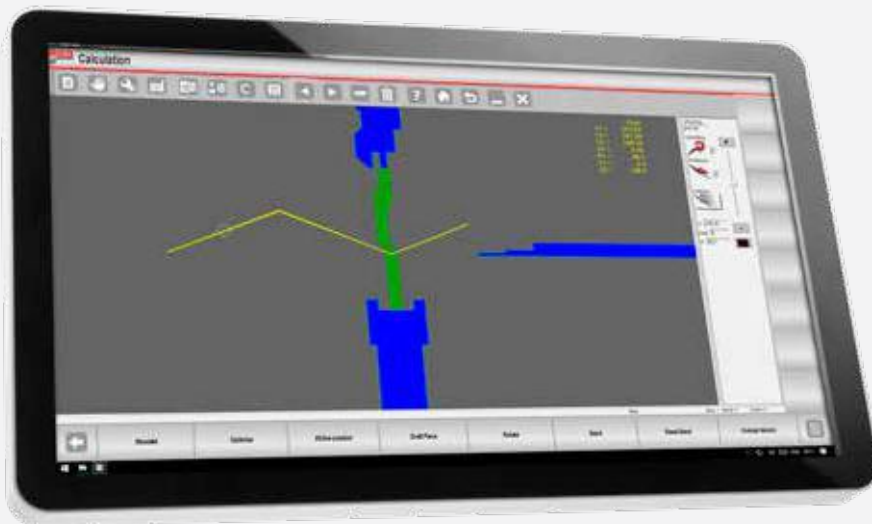
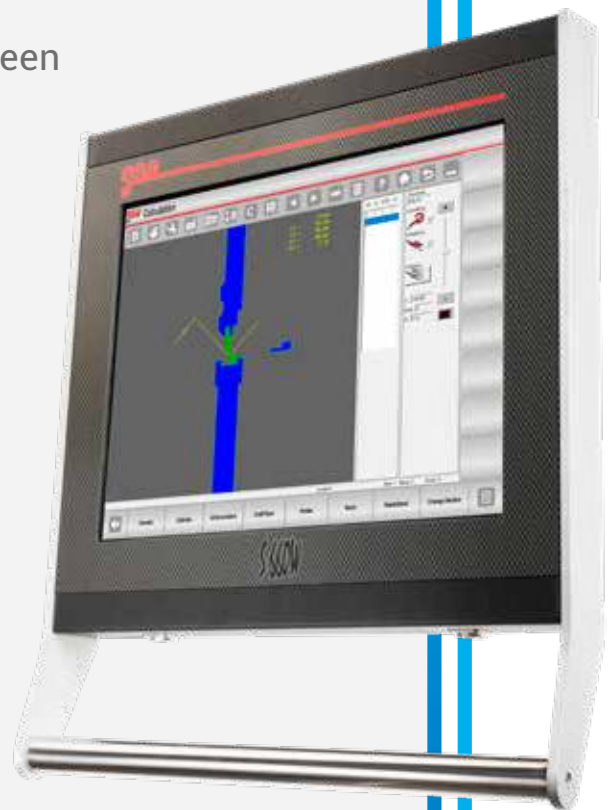


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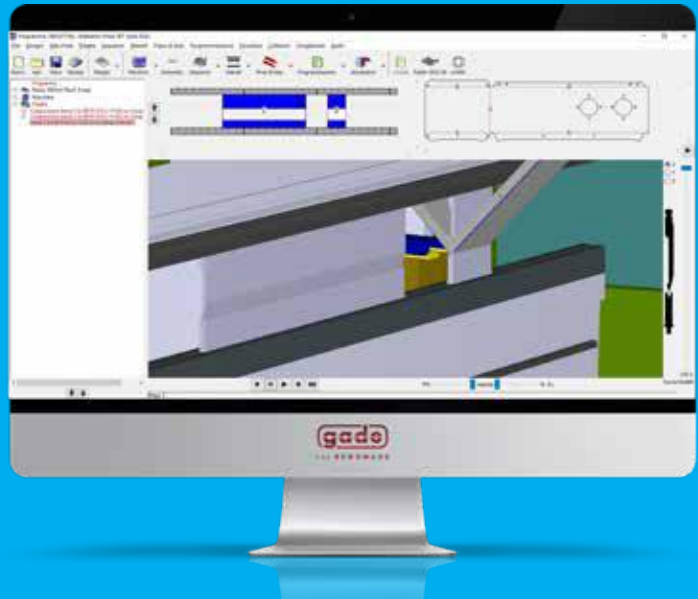
🇬🇧 CNC S660W with 19" multi-touch PC screen



🇬🇧 CNC 675 with 21" multi-touch PC screen



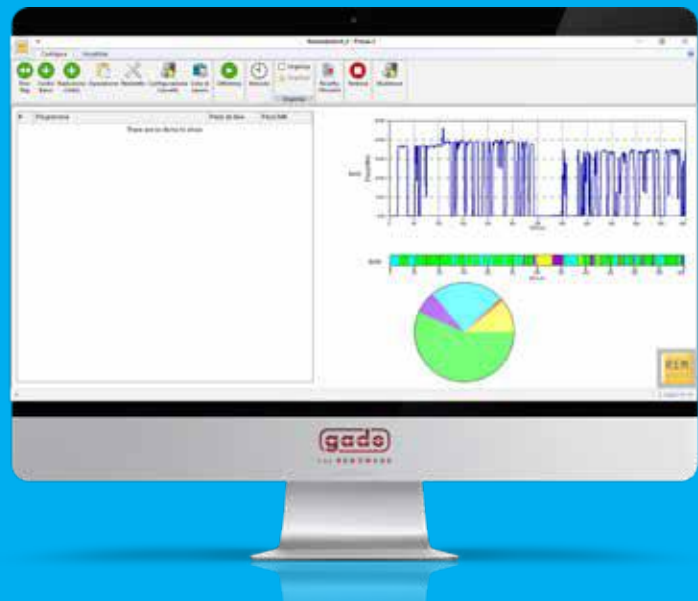
Software: Cad Cam 3D - include import dxf/other formats, 3D optimizer



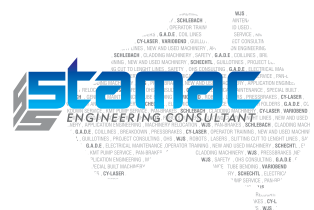
Workpiece 3D visualizer



Software to manage
Production Tracer events



THE BENDMADE



MODELS	NOMINAL FORCE	MAX POWER	BENCH LENGTH L	SIDE FRAMES P	GAP I	TOP BEAM/BENCH DISTANCE H	MAX STROKE	X AXIS STROKE	R AXIS STROKE	APPROACHING SPEED	WORKING SPEED	RETURN SPEED
	kN	kN	mm	mm	mm	mm	mm	mm	mm	mm/s	mm/s	mm/s
PS 0838	380	420	835	850	175	430	220	600	150	250	1 ÷ 12	300
PS 1550	500	600	1600	1200	300	410	200	600	150	200	1 ÷ 12	190
PS 250	500	600	2200	1600	500	410	200	600	150	250	1 ÷ 12	250
PS 275	750	900	2200	1600	500	430	220	600	150	275	1 ÷ 12	250
PS-C 290	900	1200	2200	1600	500	430	220	800	150	250	1 ÷ 12	250
PS-C 390	900	1200	3200	2600	500	430	220	800	150	200	1 ÷ 12	170
PS-C 490	900	1200	4200	3600	500	430	220	800	150	200	1 ÷ 12	170
PS-C 590	900	1200	5200	4200	500	430	220	800	200	200	1 ÷ 12	170
PS-C 690	900	1200	6200	5200	500	430	220	800	200	200	1 ÷ 12	170
PS-C 2120	1200	1600	2200	1600	500	430	220	800	150	250	1 ÷ 12	250
PS-C 3120	1200	1600	3200	2600	500	430	220	800	150	300	1 ÷ 12	220
PS-C 4120	1200	1600	4200	3600	500	430	220	800	150	300	1 ÷ 12	200
PS-C 5120	1200	1600	5200	4200	500	430	220	800	200	300	1 ÷ 12	200
PS-C 6120	1200	1600	6200	5200	500	430	220	800	200	250	1 ÷ 12	150
PS-C 2160	1600	2100	2200	1600	500	430	220	800	150	250	1 ÷ 12	250
PS-C 3160	1600	2100	3200	2600	500	430	220	800	150	200	1 ÷ 12	200
PS-C 4160	1600	2100	4200	3600	500	430	220	800	150	200	1 ÷ 12	200
PS-C 5160	1600	2100	5200	4200	500	430	220	800	200	200	1 ÷ 12	200
PS-C 6160	1600	2100	6200	5200	500	430	220	800	200	200	1 ÷ 12	200
PS-C 3200	2000	2500	3200	2600	500	510	300	800	150	200	1 ÷ 12	200
PS-C 4200	2000	2500	4200	3600	500	510	300	800	150	200	1 ÷ 12	200
PS-C 5200	2000	2500	5200	4200	500	510	300	800	150	200	1 ÷ 12	200
PS-C 6200	2000	2500	6200	5200	500	510	300	800	200	200	1 ÷ 12	170
PS-C 3300	3000	3350	3200	2600	500	560	300	800	200	150	1 ÷ 12	150
PS-C 4300	3000	3350	4200	3600	500	560	300	800	200	150	1 ÷ 12	150
PS-C 5300	3000	3350	5200	4200	500	560	300	800	200	150	1 ÷ 12	150
PS-C 6300	3000	3350	6200	5200	500	560	300	800	200	150	1 ÷ 12	150
PS-C 4400	4000	4500	4200	3600	500	660	400	800	200	150	1 ÷ 12	150
PS-C 5400	4000	4500	5200	4200	500	660	400	800	200	150	1 ÷ 12	150
PS-C 6400	4000	4500	6200	5200	500	660	400	800	200	140	1 ÷ 12	140
PS-C 4500	5000	5500	4200	3600	500	730	400	800	200	140	1 ÷ 12	140
PS-C 5500	5000	5500	5200	4200	500	730	400	800	200	140	1 ÷ 12	120
PS-C 6500	5000	5500	6200	5200	500	730	400	800	200	140	1 ÷ 12	120
PS-C 4600	6000	6500	4200	3600	500	730	400	800	200	90	1 ÷ 12	80
PS-C 5600	6000	6500	5200	4200	500	730	400	800	200	90	1 ÷ 12	80
PS-C 6600	6000	6500	6200	5200	500	730	400	800	200	90	1 ÷ 12	80
PS-C 6800	8000	-	6200	5200	500	830	550	1000	250	-	1 ÷ 8	-
PS-C 8800	8000	-	8200	7200	500	830	550	1000	250	-	1 ÷ 8	-
PS-C 10800	8000	-	10200	8500	500	830	550	1000	250	-	1 ÷ 8	-
PS-C 81100	11000	-	8200	7200	500	930	550	1000	250	-	1 ÷ 8	-
PS-C 101100	11000	-	10200	8500	500	930	550	1000	250	-	1 ÷ 8	-

A	B	C	D	E	TOTAL MOTOR POWER	APPROX. WEIGHT	MODELS
mm	mm	mm	mm	mm	kW	kg	
2600	1450	2822	-	-	5	3600	PS 0838
3000	1450	2500	-	-	7,5	4200	PS 1550
3900	1700	2600	-	-	7,5	4500	PS 250
3900	1750	2650	-	-	7,5	6300	PS 275
3950	1800	2650	-	-	9,2	8650	PS-C 290
4900	1900	2800	-	-	9,2	10100	PS-C 390
5900	1900	2800	-	-	9,2	12400	PS-C 490
6900	1900	3000	-	-	9,2	14600	PS-C 590
7900	1900	3000	-	-	9,2	19000	PS-C 690
3900	1900	2850	-	-	11	10000	PS-C 2120
4900	1900	2850	-	-	11	12700	PS-C 3120
6000	1900	2850	-	-	11	14500	PS-C 4120
6900	2000	2850	-	-	11	17000	PS-C 5120
7900	2000	2850	-	-	11	21800	PS-C 6120
4000	2050	2850	-	-	15	11500	PS-C 2160
5000	2050	2850	-	-	15	14000	PS-C 3160
6000	2050	2950	-	-	15	16800	PS-C 4160
6900	2050	2950	-	-	15	19500	PS-C 5160
7900	2450	3400	-	-	15	24500	PS-C 6160
4900	2150	3200	-	-	18,5	18200	PS-C 3200
5900	2150	3200	-	-	18,5	21600	PS-C 4200
6900	2150	3200	-	-	18,5	25600	PS-C 5200
7900	2150	3400	-	-	18,5	29100	PS-C 6200
4900	2300	3400	-	-	22	22500	PS-C 3300
5900	2300	3400	-	-	22	26700	PS-C 4300
6900	2300	3500	-	-	22	31000	PS-C 5300
7900	2300	3600	-	-	22	33500	PS-C 6300
5900	2400	3550	-	-	30	30000	PS-C 4400
6900	2400	3500	400	-	30	35000	PS-C 5400
7900	2400	3600	500	-	30	41000	PS-C 6400
5900	2500	3800	250	250	37	40000	PS-C 4500
6900	2500	4000	400	250	37	48000	PS-C 5500
7900	2500	4000	600	250	55	54300	PS-C 6500
5900	2500	3900	450	250	55	43500	PS-C 4600
6900	2500	4100	650	250	55	53000	PS-C 5600
7900	2500	4100	800	250	55	59000	PS-C 6600
7900	3100	4600	1050	700	55	77000	PS-C 6800
10000	3100	4900	1300	700	55	91000	PS-C 8800
12000	3100	5100	1700	700	55	110000	PS-C 10800
10000	3500	5200	1500	850	75	115000	PS-C 81100
12000	3500	5500	2000	850	75	137000	PS-C 101100

