



GEKA 
The steel working company

ALFA

**ALFA - CNC PUNCHING, SHEARING AND
DRILLING FOR FLAT BAR AND ANGLE**



ALFA SERIES - ALFA-500



The ALFA series is a CNC punching and shearing machine specifically designed for steel fabricators that require medium and high output production. In the this ALFA version, the fabricator will be able to process flat bars from 6 to 12 meters and add a wide range of options like marking, drilling, mitre shearing and automatic loading and unloading to increase their production to a new level.



INPUT CONVEYOR UNIT

- Rack & Pinion with Servo Driven carriage + pincher.
- Flat Bars are pushed and clamped by the carriage.
- Material guided by side rollers.



PUNCHING UNIT

- 3x different, independently selectable punches.
- Up to 40mm diameter.
- Hydraulic hold-down.
- Servo motor and spindle-driven horizontal positioning along Y-Axis.



SHEARING UNIT

- Flat Bar single cut.
- Hydraulic hold-down and clamping squaring guides.

GENERAL SPECIFICATIONS

ALFA SERIES		ALFA-150	ALFA-500	ALFA 500-165	ALFA 500-220
Minimum flat bar (45kg/mm ²)	mm	25 x 4	50 x 5	50 x 5	50 x 5
Maximum flat bar (45kg/mm ²)	mm	150 x 12	500 x 20	500 x 25	500 x 35
Infeed system	-	Roller	Pincher	Pincher	Pincher
Maximum diameter	mm	31	40	40	40
Number of punches	no.	2	3	3	3
Center punch power	tons	64	110	165	220
Sides punch power	tons	-	66	123	165
Shear power	tons	64	187	300	450
Marking wheel	-	-	Available as optional		
Automatic loading transfer	-	-	Available as optional for 6 & 12 meters		
Automatic unloading transfer	-	-	Available as optional for 6 & 12 meters		
Drilling unit	-	-	Available as optional, up to 40mm		
Mitre shearing	-	-	Available as optional		
Operating software in Windows 10	Standard	LinePro Net			
	Optional	LANTEK			

ALFA PLUS



The ALFA PLUS not only includes the possibility of working with flat bars but also an angle bar. With this machine, a steel fabricator will be able to process both angles and flats to maximize their production output with all the same options as the smaller ALFA ranges. This machine will surpass the investment cost in no time with the additional options as the automatic infeed and outfeed.



MARKING UNIT

- Wheel marking unit.
- Selected from the CNC.
- Dimensions: 14x10x19mm (LxWxH)
- Marking power 80kN.



DRILLING UNIT

- 9kW Drilling unit up to 40mm diameter.



MITRE SHEARING FOR FLATS

- Maximum turning capacity +/- 45°.

GENERAL SPECIFICATIONS

ALFA PLUS		ALFA 500/150-110	ALFA 500/150-165	ALFA 500/150-220
Minimum flat bar (45kg/mm ²)	mm	50 x 5	50 x 5	50 x 5
Maximum flat bar (45kg/mm ²)	mm	500 x 20	500 x 25	500 x 35
Minimum angle (45kg/mm ²)	mm	50 x 50 x 5	50 x 50 x 5	50 x 50 x 5
Maximum angle (45kg/mm ²)	mm	150 x 150 x 15	150 x 150 x 15	150 x 150 x 15
Infeed system	-	Pincher	Pincher	Pincher
Maximum diameter	mm	40	40	40
Number of punches	no.	3	3	3
Center punch power	tons	110	165	220
Sides punch power	tons	66	123	165
Vertical punch power	tons		600 (optional)	
Shear power	tons	187	300	450
Marking wheel	-		Available as optional	
Automatic loading transfer	-		Available as optional	
Automatic unloading transfer	-		Available as optional	
Drilling unit	-		Available as optional	
Mitre shearing	-		Available as optional	
Operating software in Windows 10	Standard		LinePro net	
	Optional		LANTEK	

