



TIGER 352 NC 5.0

TIGER 352 NC 5.0, automatic vertical circular saw machine to cut ferrous material mitering from -45° to $+60^{\circ}$, using HSS blade.

- Cnc machine with windows base MEP50 control. This plc has been specifically designed by mep for the automation of its products range.

FEATURES:

- 7" touch screen display operator interface and push buttons for all functions of the sawing machine. It is simple and user friendly showing all the cutting parameters in real time.
- Programmable plc up to 100 different jobs which can be made in sequence.
- Low voltage control panel installed on an articulated arm.
- Record of alarms and events with the possibility to visualize the story of occurred events.
- Bar feeder with stepper motor and ball screw. Multi-indexing up to 600mm in a single stroke with automatic blade kerf compensation.
- Optimization of the torque in two ranges ($12\div 40$ and $36\div 120$ rpm) combining the inverter features with the mechanical gear change (OPTIONAL $15\div 50$ and $45\div 150$ rpm with 3,0 kw motor and 5,5 kw inverter).
- Structure in grey cast iron G25, reducing drastically vibrations, grant a better stability and longer blade life.

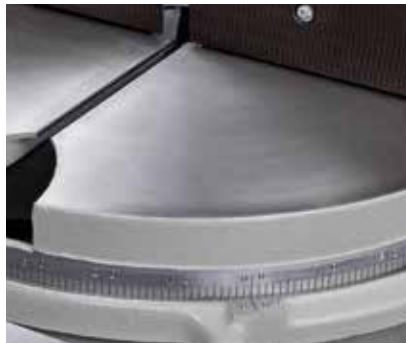




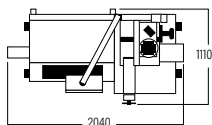
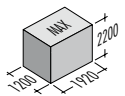
- Vice and anti-burr device granting an adequate clamping of the material.
- Self regulation in real time of head down feed rate.
- Saw head equipped with double set of gears to have higher torque and better cutting performance.
- Saw head mounted on double limer guides with pre-loaded ball bearings.
- Upper and lower saw head limits and bar feeder forward/backward, are set through a joystick according to dimension of the material.
- Automatic setting of the actual starting point of the cut.

- Self regulation in real time of head down feed rate.
- Rotating table on a center pin with axial bearing which allows higher precision on the cutting angle set.
- Angles scale engraved on the rotating table.
- Feeder vice with alarmed safety cover stopping all functions of the saw if opened.
- Pneumatic vice clamping with metal gib to adjust backlash.
- Pneumatic vertical vice.
- Electric pump for the blade lubrication and cooling.
- Wire chip brush for circular saw cleaning.

- Indicator with flashing light in case cycle is stopped.
- HSS blade $\varnothing 350 \times 32 \times 2,5$ for solids or sections.
- Preset to be equipped with the spray mist system (OPTIONAL).
- Machine preset for being handled by forklift.
- Service keys and instructions manual for maintenance and spare parts list.



OPTIONALS FROM PAG 47 - N° 02 - 03 - 05 - 10 - 11 - 14 - 15 - 26 - 40 - 41 - 42 - 43 - 56 - 68 - 71 - 79



HSS mm	kW	rpm	rpm	kW	mm	Cutting Angles					kg		
						0°	+45°	+60°	-45°	350			
350x32x2,5	STANDARD	2,6	12÷40	36÷120	3,0	190	350	115	95	180x95	350	90	680
	OPTIONAL	3,0	15÷50	45÷150	5,5	190	350	110	90	90x90	350	45	680
		3,0	15÷50	45÷150	5,5	190	350	110	95	125x95	350	64	680

