

MACHINE MODEL

KS 702

Semiautomatic bandsaws for medium sized production

Short description

KS 702 is the semiautomatic double column bandsaw suitable to cut pipes, tubes, bars and solids for medium sized production. An affordable working tool, the machine can cut up to 60° both on left and right (with automatic stops at 0° and 45° thanks to the hydraulic rotation of the sawframe).



Cutting capacity at 0°	Round: 520mm - Square: 450mm - Rectangular: 680x400mm
Cutting capacity at 45° left	Round: 470mm - Square: 430mm - Rectangular: 470x400mm
Cutting capacity at 45° right	Round: 470mm - Square: 430mm - Rectangular: 470x400mm
Cutting capacity at 60° left	Round: 280mm - Square: 280mm - Rectangular: 280x300mm
Cutting capacity at 45° right	Round: 310mm - Square: 310mm - Rectangular: 310x380mm
Cutting capacity with bundle device	Max: 650x250mm - Min: 50x50mm
Blade size	5870x34x1.1mm (in option 41mm)
Canted blade	10°
Blade power	3 Kw (in option 4 Kw)
Blade speed	15/100m/min
Working table height	840mm
Hydraulic unit capacity	50l
Coolant tank capacity	3l
Weight	1950kg
Size	1600x3300x2500mm

Features



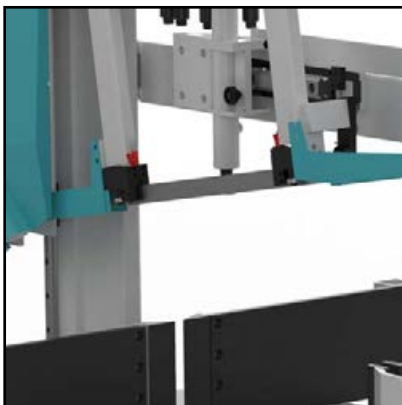
Manual sawframe rotation

KS 702 has a manual sawframe system that allows to set the required cutting angle. Stop system is hydraulic and the LCD display allows to view the set angle. There are also automatic stops at 0°, 45° left and 45° right



Panel control

Stand-alone, the mobile panel control gives the operator full control of the cutting process, allowing to set all the main working parameters thanks to an easy interface.



Blade

KS 702 blade size is 5870x34x1.1mm with electronic inverter to regulate and set blade speed (speed range is between 15 to 100 m/min) and a 3KW power blade power. High cutting performances are also provided by the high blade tension (2000kg/cm²).



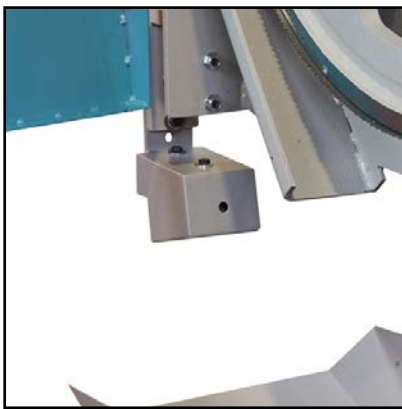
Blade guides

To guarantee the perfect blade alignment, the machine has metal pads blade guides. The mobile blade guide is kept next to the cutting area to ease and optimize the cutting process.



Blade cleaning

The machine mounts a motorized cleaning brush with nylon teeth, allowing to remove residuals and remainings in the cutting area and on the blade.



Laser detection device

KS 702 is equipped with a laser detection device that detect both the material before starting the cutting process and the first and end cut point. The user will set material size through the panel control, then the laser system will read the material position, allowing the sawframe fast approach to the bar.



Canted blade

The cutting process is optimized by the 10° canted blade that allows to ease the material penetration, reducing the band strain, helping save blade life and improving cutting performance even on full materials and big diameters and sections.



Minimal lubrication system

OPTIONAL

It is possible to require, for all Imet machines, the minimal lubrication system , it avoids the dispersion of refrigerant liquid typical in the use of emulsifiable oil, the life of the blade is not affected in any way.



High performance kit (Optional)

OPTIONAL

To increase machine performances it's possible to apply the 4KW motor reducer for 41mm height blade with hydraulic tensioning.



Lowering speed on display (Optional)

OPTIONAL

It's possible to view the lowering sawframe speed by adding an LCD display on the console.



Laser ray (Optional)

OPTIONAL

it's available a laser ray to optimize cutting process by pointing the cutting line.



Blade deviation control (Optional)

OPTIONAL

Blade deviation control system with working process stop in case of breakage.



Loading/unloading roller table (Optional)

OPTIONAL

Loading and unloading side roller table with free rolls. Module length 2m.



Motorized roller table (Optional)

OPTIONAL

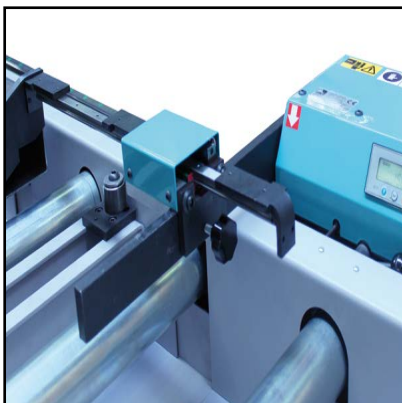
Motorized roller table with preset for motorization: chain transmission and pinions.



Motorization system (Optional)

OPTIONAL

Motorization system for motorized roller table. Recommended over 6m length.
Max speed 10m/min



CNC motorized measurement length stop (Optional)

OPTIONAL

CNC motorized measurement length stop with fast approaching and automatic slowdown of the piece. To be ordered together with RTR motorized roller table. - RR6S measurement length 6m -RR9S measurement length 9m -RR12S measurement length 12m