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MACHINE MODEL

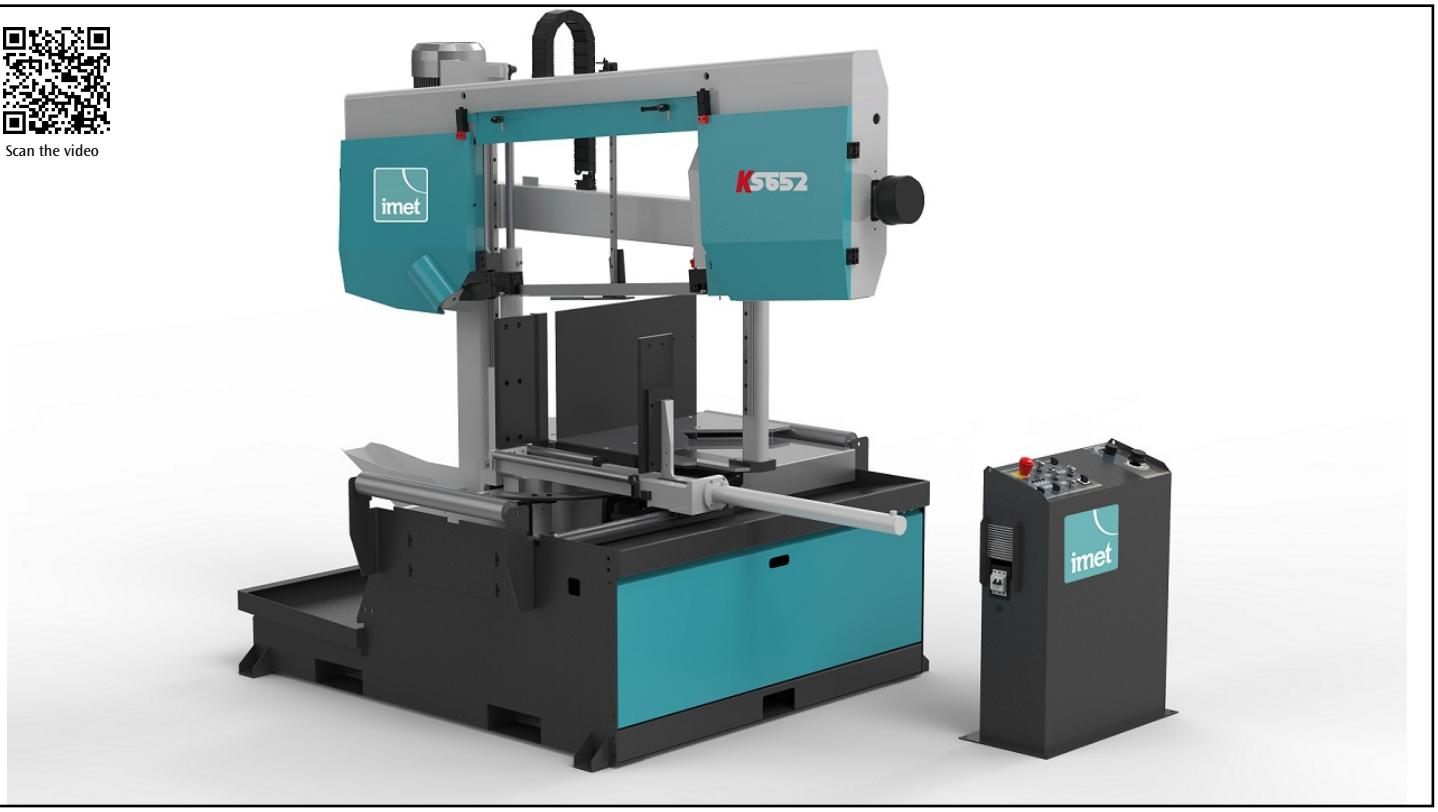
# KS 652

## Double column semiautomatic bandsaw

Short description

KS 652 is the semi-automatic double column sawing machine for cutting metal structural work, pipes, profiles and beams. The machine can cut right and left up to 60 ° and is equipped with a large support surface and visual reference on a graduated scale distant from the center of the machine for greater precision and ease of reading.

Scan the video

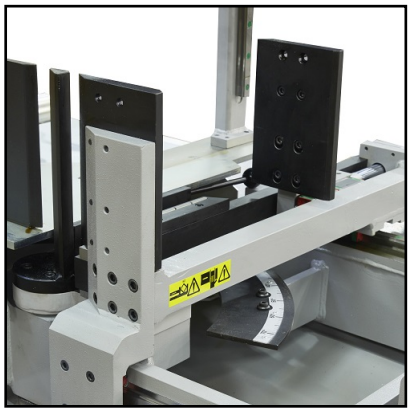



| | |
|---|---|
| Cutting capacity at 0° | Round: 510mm - Square: 480mm - Rectangular:650x450mm |
| Cutting capacity at 45° left | Round: 440mm - Square: 430mm - Rectangular:430x430mm |
| Cutting capacity at 45° right | Round: 440mm - Square: 440mm - Rectangular:440x440mm |
| Cutting capacity at 60° left | Round: 250mm - Square: 250mm - Rectangular:250x450mm |
| Cutting capacity at 60° right | Round: 250mm - Square: 250mm - Rectangular:250x450mm |
| Cutting capacity (BUNDLE) | Max: 650x450mm - Min: 125x15mm |
| Cutting capacity at 0° solids (C45) | 280mm (350mm with 4KW motoreducer and blade 41mm) |
| Min. scrap-end with bundles | 250mm |
| Blade motor | 3KW (option 4 KW) |
| Blade speed | Da 15 a 100 m/min |
| Blade size | 5320x34x1.1mm (option blade 41 mm) |
| Blade tensionning | 2000kg/cm2 |
| Weight | 2100kg |
| Dimensions | 1895x2870x2300mm |

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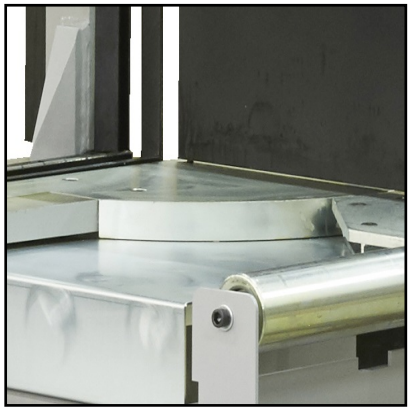


## Features



### Vice

The vice slides transversally on the work surface, linear guides, locking, complete with standard pressure reducer. All the saws of KS series (450, 502, 620 and 652) allow to fix the material clamping vice only once and then to rotate the arc for cutting both right and left (up to 60 °). The vice is equipped with a pressure regolator positioned on the hydraulic unit.



### Large working table

Easy to use thanks to the rotating work surface integral with the arc and the blade passage to optimize the material support system during processing in all angles.



### Cutting precision

The cutting precision is ensured by the graduated scale (on the work surface) which constitutes a visual reference for the operator in case of angle cutting. There're also automatic stops at 45°left, 0 ° and 45 ° right. To increase cutting precision, IMET band saws are equipped of a system for detecting degrees of cut away from the center.



### Rigid sawframe

In electro-welded steel, the blade has an inclination of 6° to improve the penetration in the material and optimize the execution of the cut. The rotation of the arc is done by bearing preloaded. The KS 652 blade has has a tensionning of 2000kg / cm2 and is equipped with a control microswitch for immediate stop in case of blade breaking or power failure.

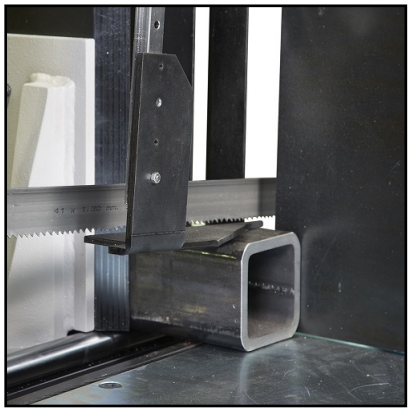
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## Blade tension

The blade of KS 652 has a tension of 2000 kg / cm2 and is equipped with a control microswitch for stopping immediately the blade in case of breaking or tension failure. The machine is equipped with blade guide sliding on linear guides for easy adjustment with hard metal inserts and additional bearings to improve alignment.



## Material detection device

To facilitate the approach of the blade to the material KS450 mounts a device for detection automatic cutting start and end point.



## Control panel

KS 652 is equipped with a mobile control console with control LED for tensioning the blade, opening of the blade guard, motor thermal block and electrical tension. Through the coontrol the operator can choose between 3 different ways of cutting end: ascent of the bow with stopped blade, ascent of the bow with blade in movement and end of cycle without bow ascent.



## Blade cleaning

Motorized nylon cleaning brush for blade, driven by motor pulley to always keep in perfect condition the cutting blade.

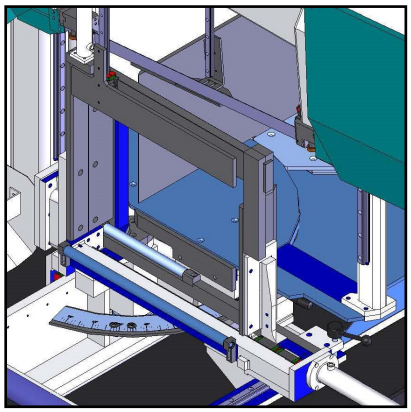
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## High performance package (Optional) OPTIONAL

KS 652 offers the possibility to increase cutting performance through the 4KW gear motor, blade from 41mm high and hydraulic tension.



## Bundle cutting device (Optional) OPTIONAL

The bundle cutting device is required when working with bundles of tubes or profiles. Adding the device will change a little bit the machine cutting capacity: max. 650x450mm, min. 125x15mm. When the device is mounted, the machine can only cut at 0°; if the user needs to cut with different angle, the device must be disassembled



## Laser (Optional) OPTIONAL

It's available a laser ray that points the set cutting line on the material, improving the user's workflow.



## Minimal lubrication system (Optional) OPTIONAL

The lubrication system cancels the dispersion of the coolant without damaging or affecting the life of the blade. The system is equipped with a 1.3l tank and nozzle.

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## Angle display (Optional) OPTIONAL

It's possible to add on the mobile consolle an LCD display that shows the set cutting angle, allowing the user to increase position accuracy.



## Loading/unloading roller table (Optional) OPTIONAL

Roller conveyor suitable for the unloading and loading side. Length 1.5m, 1 pedestal, max loading 1500kg.



## Unloading roller table (optional) OPTIONAL

Unloading roller table with digital reading and manual movement. Available : -RTL3KS600 Measuring lenght of 3m, 3 pedestals, max loading 3000kg; -RTL6KS600 Measuring lenght of 6m, 5 piedestals, max loading 6000kg.

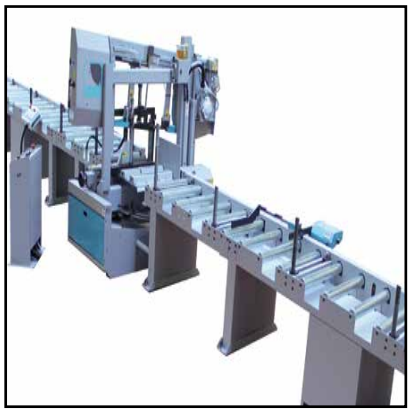


## Unloading roller table (Optional) OPTIONAL

Unloading roller table with length stop and selection of the lengths by means of a keyboard Available: -RTP3KS600 Measuring lenght of 3m, 3 pedestals, max loading 3000kg; -RTP6KS600 Measuring lenght of 6m, 5 piedestals, max loading 6000kg.

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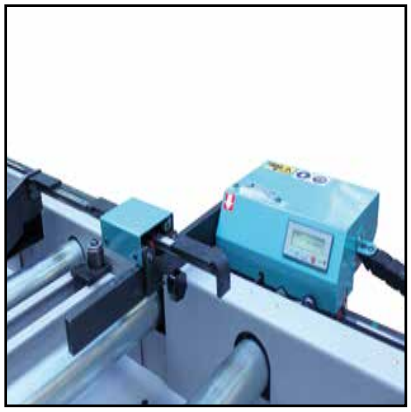
## Motorized loading roller table (Optional) OPTIONAL

Loading motorised roller tables, with chain transmission and motor reducer managed by inverter, with mobile keyboard. Available : -3m, loading 3000kg; -6m, loading 6000kg; -9m, loading 9000kg; -12m, loading 12000kg.



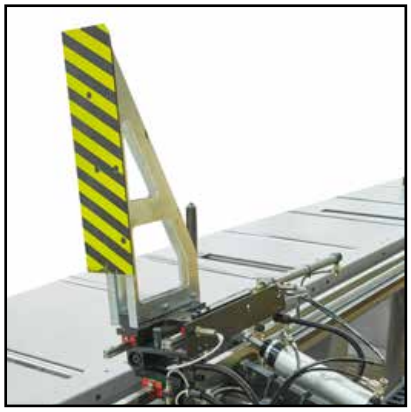
## Motorized unloading roller table (Optional) OPTIONAL

Unloading motorized roller table, with chain transmission and motor reducer managed by inverter, available only together with loading roller table. Available: -3m, loading 3000kg; -6m, loading 6000kg; -9m, loading 9000kg; -12m, loading 12000kg.



## Digital reading length stop (Optional) OPTIONAL

Digital reading length stop with manual positioning with automatic slowdown sensors, available only together with unloading motorized roller table - Measuring lenght 3m; Measuring lenght 6m; Measuring lenght 9m; Measuring lenght 12m



## Motorized lenght stop (Optional) OPTIONAL

Numerical control motorized measurement RR with fast approching for automatic slowdown of the piece (to be ordered coupled with automatic conveyors) -RR6S 6m measuring lenght -RR9S 9m measuring lenght -RR12S 12m measuring lenght

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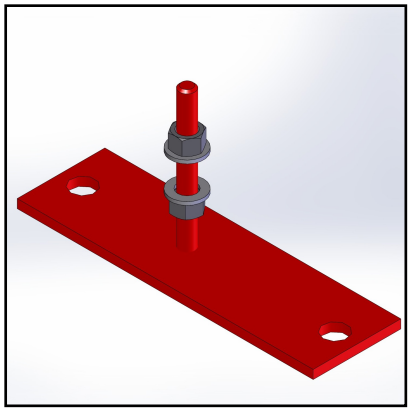
## Single vertical roller (Optional) OPTIONAL

Single vertical roller, height of 250 mm. to prevent falls, max 2 each 1,5 mt.



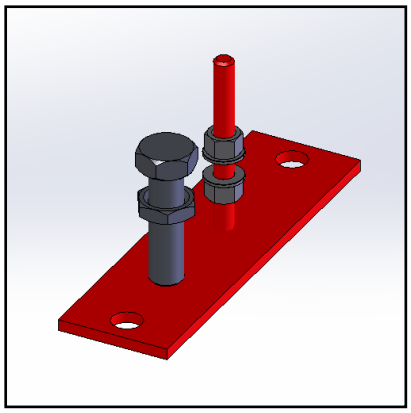
## Pair of vertical rollers (Optional) OPTIONAL

Pair of containment vertical rollers, made in steel, max 2 pairs for each element 1,5 mt long.



## Additional foot in kit for machine OPTIONAL

Additional foot in kit, to be used to fix the machine to ground once positioned.



## Additional foot in kit for roller table OPTIONAL

Additional foot in kit, to be used to fix the machine to ground once positioned.