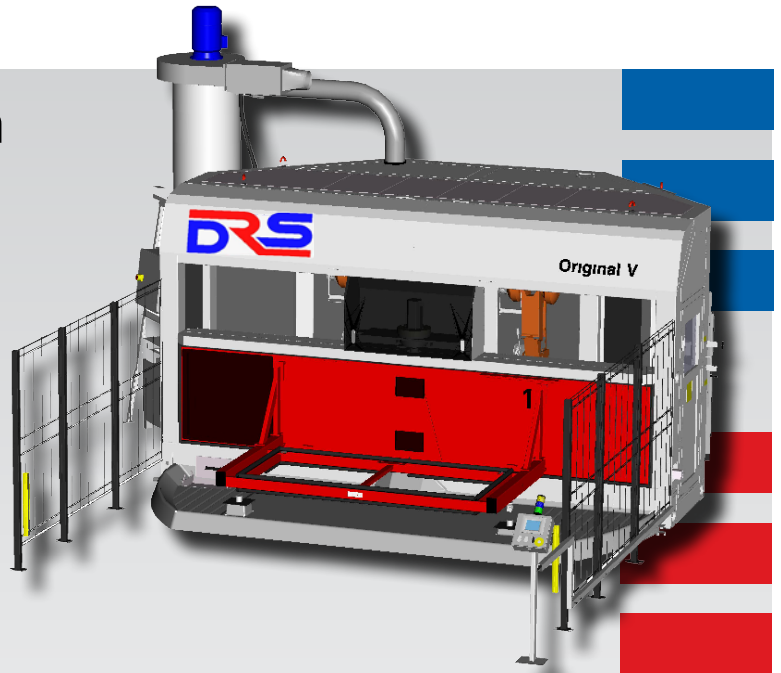


# Product Information

## Cutting Box

### ORIGINAL V

Application Process:  
- Waterjet Cutting



#### Function

The Original V is a Robotized turnkey system included a steelframe Box with a turntable containing two worktables. The worktable has studs for accurate positioning of a unique Pallet system frame. On the Pallet the fixture and part to be cut is mounted. The part can be kept in place on a fixture using either clamps, overshell or by vacuum suction.

Personal safety equipment secure the rotation area and entrance to Robots.

#### Installation and Education

The Cutting Box is installed and fully operational within 5 days. Machine operation and Start-up training included.

#### Robot Waterjet Cutting

A waterjet beam is formed by forcing water through a nozzle at a very high pressure. The jet, guided by the robot, cuts through any soft or plastic material. The flexibility by the Robot give the possibility to follow a three dimensional part.

#### Fields of application

Automotive interior trim parts such as:

- Carpets
- Headliners
- Trunk-liners
- Insulation mats
- Instrument panels

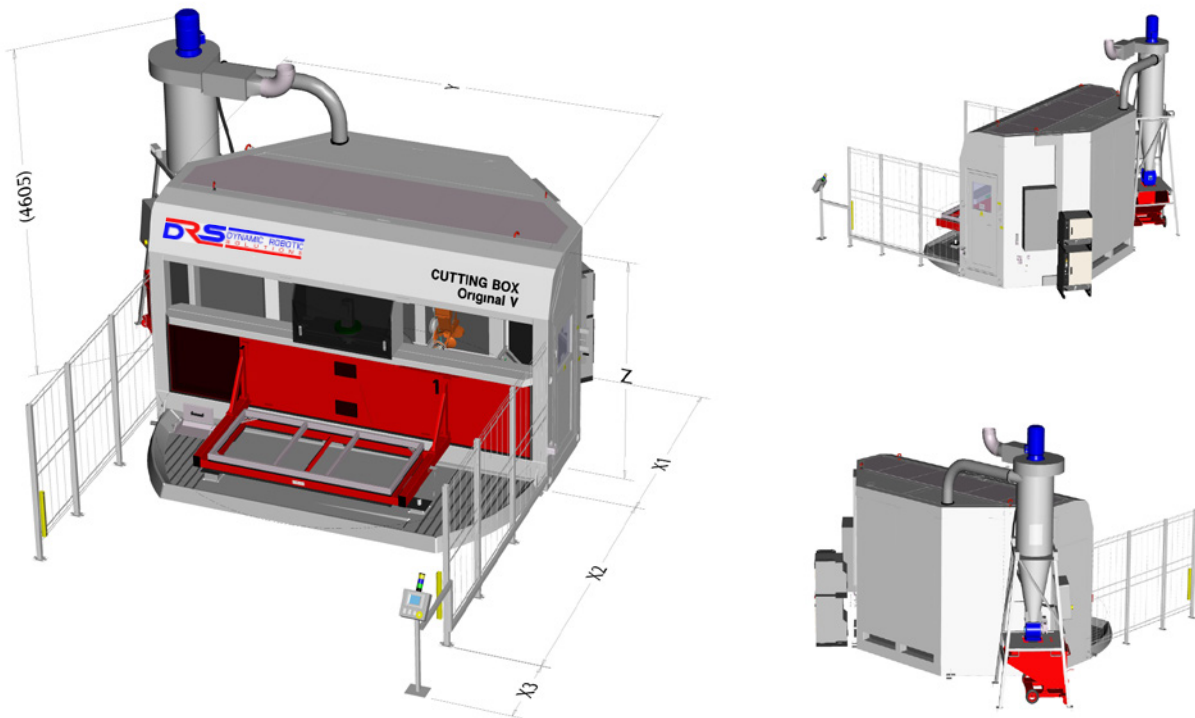
#### Standard features and specifications

- Robots with degree of protection.
- Robot Waterjet Ware.
- Operator Touchpanel with easy to use menus.
- Indexing turntable under 6,5 seconds.
- Quick change of Pallets.
- Change of fixture outside Box during Robot operation.
- Single operator required.
- Turntable loading capacity 300 kg per side.
- Cutting Box in Mono-block design.
- Sound proof enclosure gives < 80 dB(A).
- Fence and light beam for operator safety protection.
- Compatible programs between Cutting Boxes of same type.

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Available machine types with accessories - Please notice that all dimensions are stated in mm.



Machine type	Robots	Length (Y)	Height (Z)	Width (X1)	Width (X2)	Width (X3)	Weight (kg)
Original V	1->2	5534	3024	2930	3500	1000	8000
Original V Large	1->3	6027	3024	3180	3797	1000	8500
Original V Large4	4	6027	3024	3180	3797	1000	9000

### Optional features for these machine types

#### Features

- Robot type IRB 1600 or IRB 2400
- Fixed Robot configuration: 1->3 & 4
- Robot Track motion, 7th axis
- Tilting table
- Vacuum system
- Calibration of the Cutting Box
- Platform above the Box saving floor space
- Telpher crane for changing pallets
- Pallet lifter
- Waterjet position control
- High Pressure Intensifier

#### Softwares

- Skip function
- Perforation function
- Geometrix (waterjet geometry)
- Pallet coding

#### Additional safety features

- Automatic "block and bleed" valve
- Laser scanners secure the loading area
- Rolling door infront of loading area

#### Service

- Spare parts
- Service contract
- Off-line programming service
- Fixture integration
- Maintenance education
- Robot programming education



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