

SGG EasyPro™  
PROCESSING  
GUIDELINES  
EDGE DELETION

### EDGE DELETION

SGG coatings with EasyPro can be edge deleted on the automatic cutting table, if table is equipped with automatic edge deletion system.

Edge deletion can be performed direct trough EasyPro and coating.

Important is the choice of edge deletion wheel, which must be suitable to remove EasyPro layer and coating.

SGG recommends some specific abrasive wheel to perform correctly this process.

Please contact the Local Technical Support Manager for detailed information regarding abrasive wheels.

### DUST EXTRACTON SYSTEM

When edge deletion is performed on automatic cutting table, the removed EasyPro will be result in dust particles. If the dust, or most part of the dust, is not removed, it can cause different issues like clogging of the edge deletion wheel, not correct performance of cutting wheel, lower efficiency of cleaning, etc...

SGG recommends to upgrade the aspiration system of the cutting table in order to remove dust of EasyPro generated during edge deletion.

The upgrade consists mainly of adding more aspiration power.

Depending on cutting table brand/model also the nozzle can be upgraded with a more suitable design and/or position regarding the edge deletion wheel.

The Local TSM can give information regarding solutions for upgrades depending on brand/model of cutting table.

Some cutting table producers are presenting their own upgrade system.

A number of glass Processors have successfully upgraded by themselves the cutting table with a stronger aspiration system. Detailed information can be given by the TSM.

### “Homemade” solution for dust extraction upgrade

The most efficient solution to upgrade the dust extraction system is to put an additional powerful vacuum cleaner on the side of the cutting table and connect it with a system of piping directly to the edge deletion head.

- Vacuum cleaner:
  - Technical specifications for the vacuum cleaner:
    - Pressure: ~ 200 to 300 mbar
    - Air flow: ~ 300 to 500 m<sup>3</sup>/h
  - Examples of vacuum cleaner tested and recommended:
    - **RGS A546KEP 4kW**  
<http://www.rgsvacuumsystems.com/ENG/THREE-PHASE-INDUSTRIAL-VACUUM-CLEANER-A346EP-A546KEP>
    - **T40 NILFISK**  
<https://www.nilfisk.com/en/products/Pages/product.aspx?pid=4030500076>
    - **KEVAC KM2/50**  
<http://www.machines2clean.com/KEVAC-KM2-50L-SINGLE-PHASE-INDUSTRIAL-VACUUM>
    - **VENTUR WS4075T**  
<http://www.ventur.eu/>



Figure 1 : example of vacuum cleaner

- Piping:
  - A PU flexible tubing can be used to connect the vacuum cleaner to the head of edge deletion
  - The diameter of piping must be bigger than the diameter of nozzle



Figure 2 : Example of PU flexible tubing

- Piping installation: the best configuration is to install the piping clipped on the robo track of the cutting table

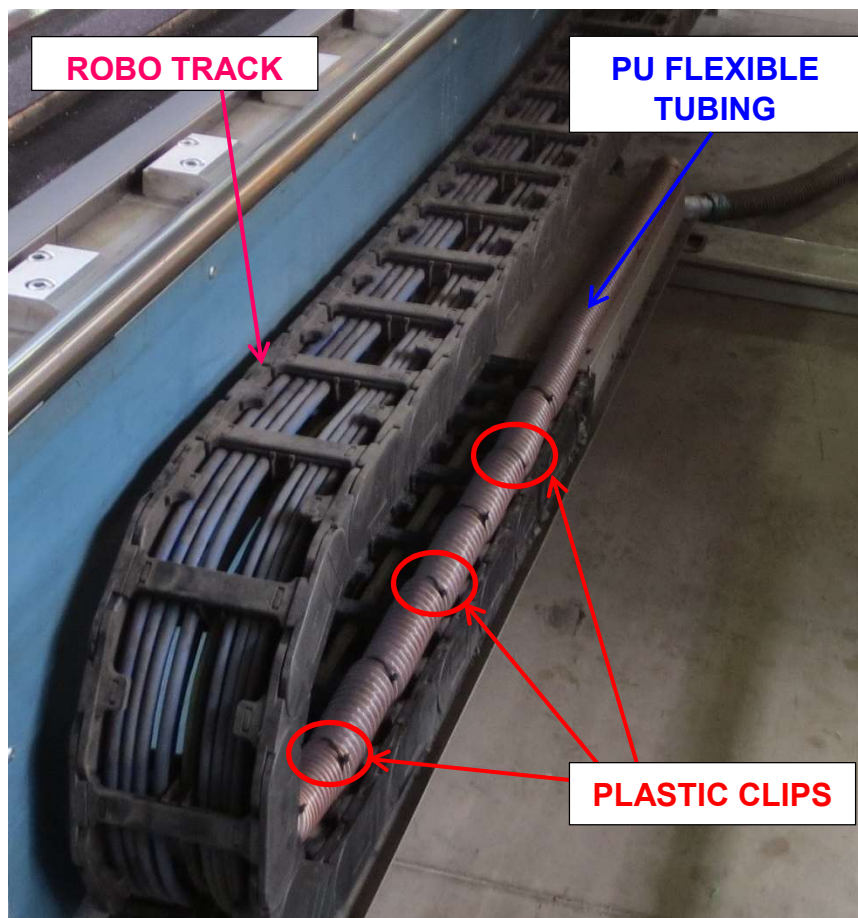
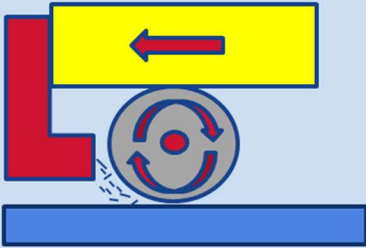
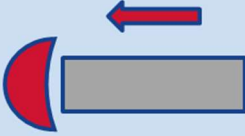
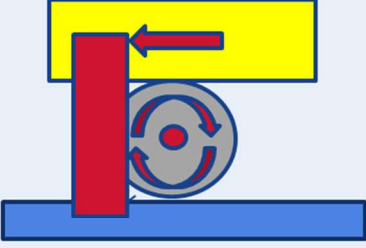
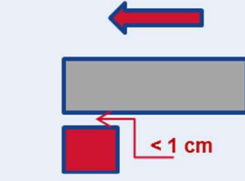
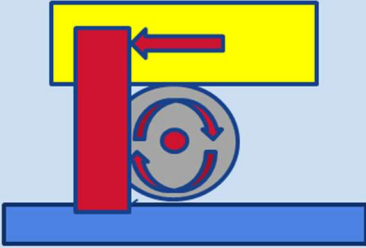
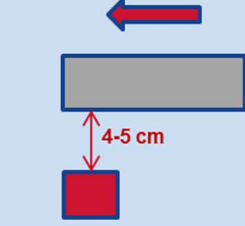


Figure 3 : Piping Installation

- The piping must be connected at the place of the existing aspiration connection
- Nozzle:
  - Should be as close as possible to the wheel in order to reduce the loss of aspiration power
  - Design should be optimized in the same aim

SIDE VIEW	TOP VIEW	TYPE OF CONFIGURATION
		<p><b><u>BEST CONFIGURATION:</u></b> Nozzle in front of the edge deletion wheel and close to the wheel</p>
		<p><b><u>CONFIGURATION OK:</u></b> Nozzle on side of the edge deletion wheel and close to the wheel</p>
		<p><b><u>WORST CONFIGURATION:</u></b> Nozzle on side of the edge deletion wheel and not close to the wheel</p>



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