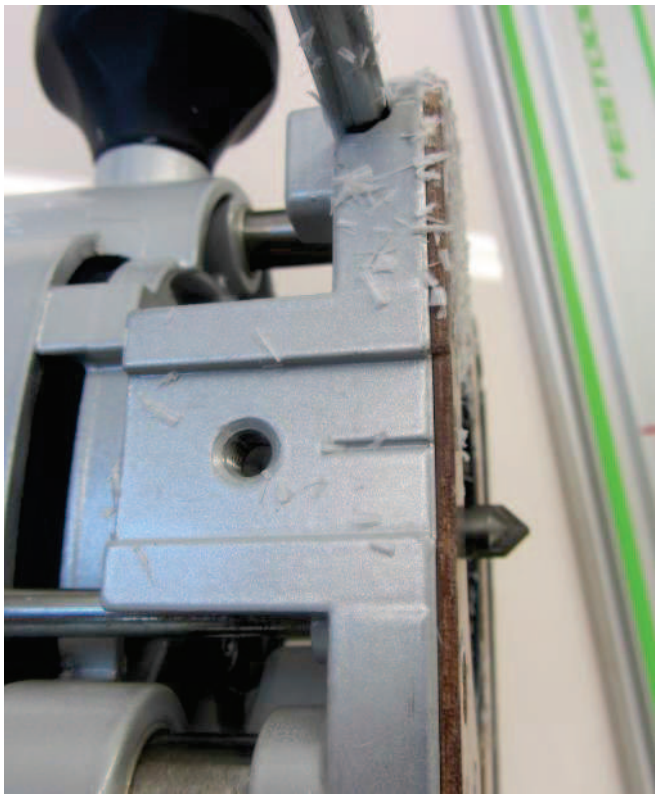


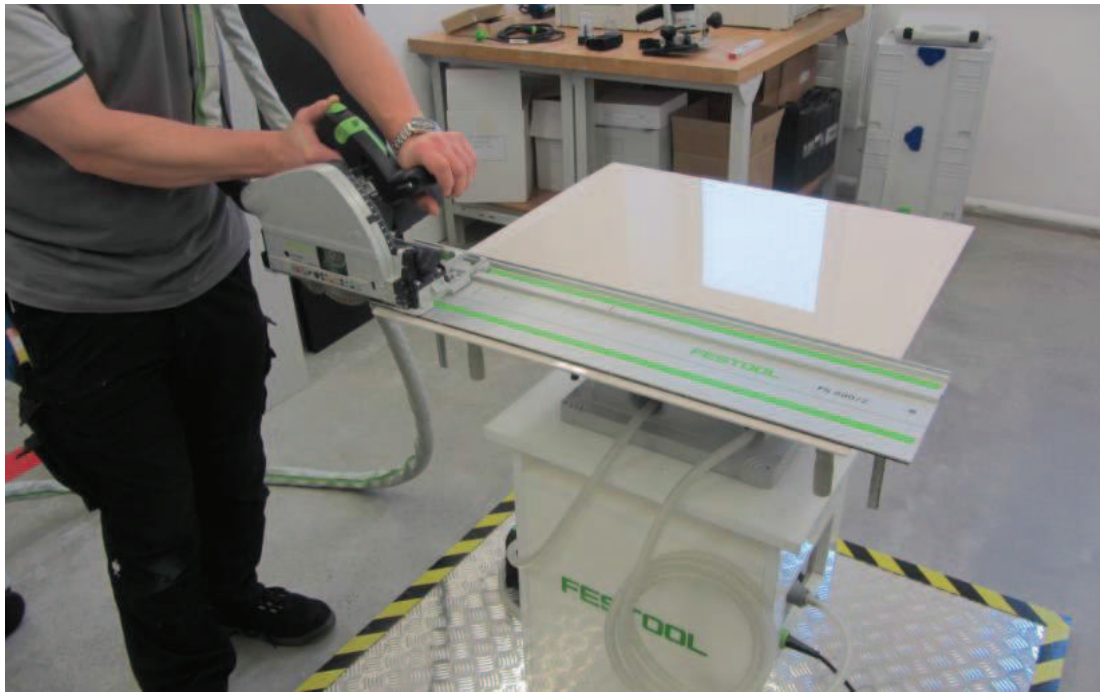
REHAU®
Unlimited Polymer Solutions

PROCESSING OF RAUVISIO BY HAND MACHINES

sawing / milling / drilling / grinding / polishing

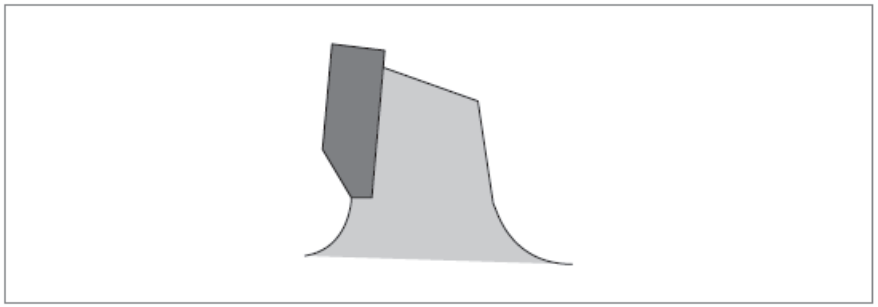
sawing

RAUVISIO crystal slim can be cut by a hand-held circular saw with stoprail to the desired dimension.



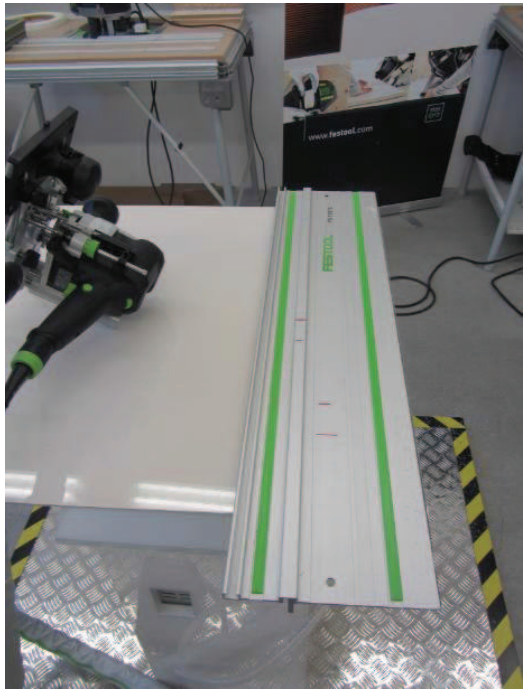
sawing

- it is recommended to use a blade made of polymere with a high number of teeth
- the angle of rake should be negativ
- the speed should be as high as possible
- the manuel feed should be even and slowly



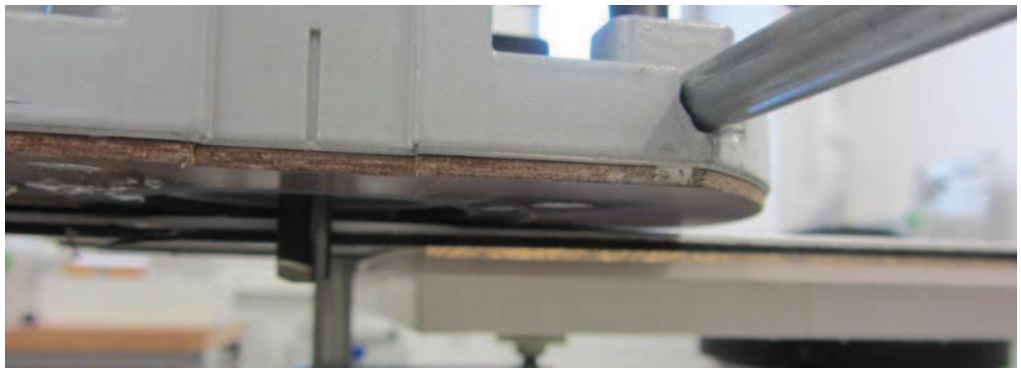
format milling

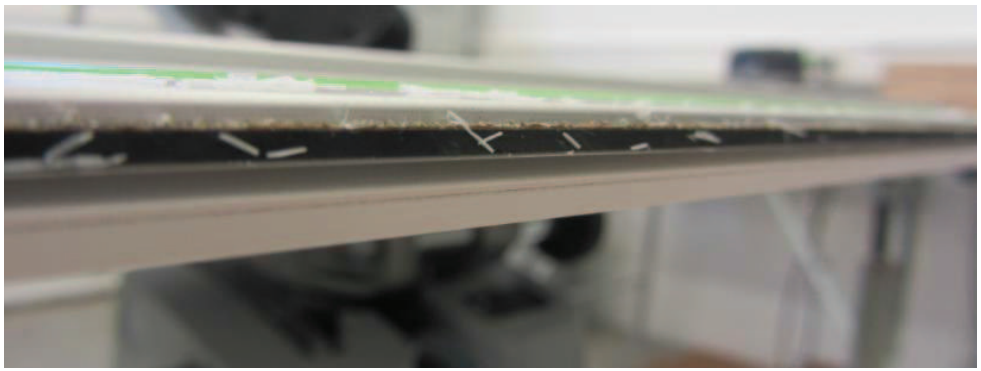
RAUVISIO crystal slim can be processed by a router and stoprail to the desired dimension.



Format milling

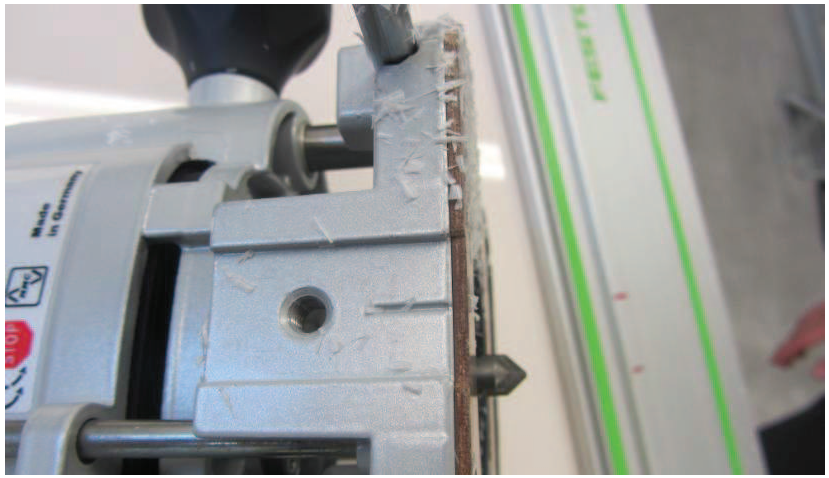
- a hard metal end mill is suitable for format milling - a spiral edge arrangement results in higher smoothness
- the speed should be as high as possible
- the manuel feed should be even and slowly

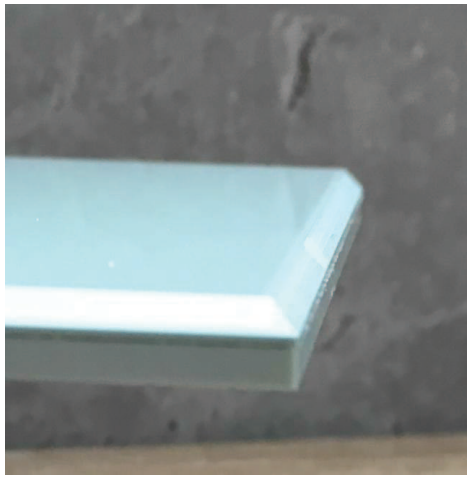


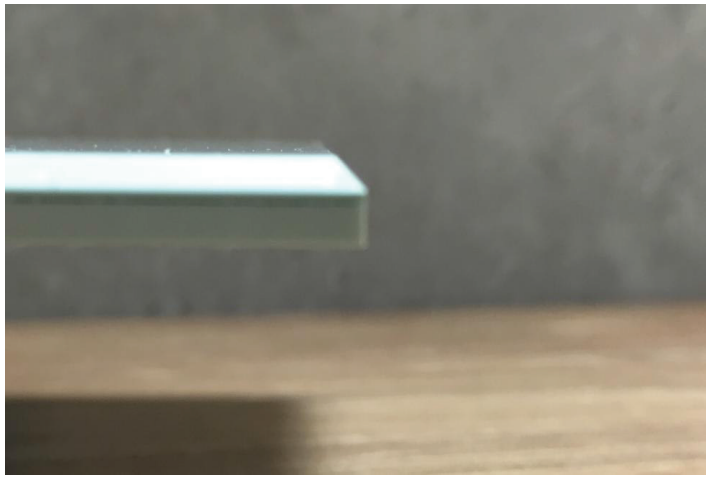


chamfer - milling

- a 45° milling cutter is suitable for creating a chamfer
- the chamfer size should not be higher than the thickness of the transparent coating
- a 1.6 mm chamfer creates an attractive appearance







grinding

edgebands of RAUVISIO crystal slim can be finished by a orbital sander using fine sandpaper

→ to create a very good basis for the following polishing the use of a grain size of 500 and 1000 is recommended.

- To avoid damages of the hard coating layer the protective foil does not have to be peeled off

- Masking the edgebands is recommended to avoid damages

polishing

During the polishing of the edgebands the protective foil has to remain on the surface.
With a polishing grinder and the 1Step polish of Festool a highgloss result can be achieved.

use of a scraper/ polishing with buffing wheel

tests with the buffing wheel will be performed