



Cutting in the acryl processing industry

Production of acrylic displays

■ Eremit-Display www.erevit-display.at



The Eremit company with headquarters near Vienna is one of Europe's largest processors of acrylic glass and has developed into a specialist in manufacturing displays. About 50 employees process the acrylic glass using various technologies. Eremit produces single copies as well as high volumes.

■ The application

In the process of manufacturing the displays, the acrylic glass plates must first be cut precisely to fit. Eremit had needed a cost-effective method for solving this cutting task with first-rate quality.



Trotec Case Studies

■ The challenge

A basic precondition was that the cutting edges provided the perfect quality that customers had come to expect from Eremit. Of course, the solution also had to be economical; investment costs were to be kept as low as possible. Since the lot size is generally rather high, but small runs are quite frequent as well, the cutting system has to be flexible and easy to operate.

A suitable size of the working area is absolutely essential in processing the often very large workpieces.



■ The Trotec solution

Eremit decided on the large format CO₂ laser Professional TP 1313 from Trotec. In just the 60 Watt version the laser delivered top results with good throughput times. Even when processing extruded acrylic, the Professional TP 1313 achieves excellent cutting edges. Its working area of 1300 mm by 1300 mm makes it easy to process also very large sheets of material. The specially developed software enables quick and safe operation of the laser system.

By now the ambitious company already has three Professionals in place (two 60 Watt machines and one 200 Watt). Eremit was won over by their high availability, perfect quality of the cutting edges and the high throughput. To create samples Eremit will soon be acquiring a Speedy 500 as well.