

## – the new revolutionary non-contact thickness gauge for non-ferrous applications

successfully installed at Profilglass, Italy, market leader of spacer bars and decorative profiles for aluminium windows.

Aluminium's strength, weight and versatility make it an ideal building and cladding material. Its resistance to corrosion means it is virtually maintenance-free. All kinds of aluminium products are used in new home construction and in residential renovation: siding (cladding), windows, skylights, weather-proofing, doors, screens, gutters, down spouts, hardware, canopies and shingles, etc.

Every year, millions of aluminium windows and doors are installed in new homes and used for replacement. Highly resistant and rigid, they have low rates of expansion and contraction and also of condensation. They are extremely stable, durable and thermally efficient.

The worldwide consumer markets for aluminium enjoy arising trend in the long term.



*Left: Examples of products manufactured by Profilglass.*



*Left: The Cold Rolling Mill at Profilglass in Italy before revamping the thickness gauging systems in 2002 (Strip width 800 mm, min. strip thickness 0.2 mm).*

*Two X-ray systems installed on both sides of the stand (with yellow radio-active indications).*

*Right and below: In January 2002 the new ABB gauge was installed on the right-hand side of the stand.*



After two months in operation, Profilglass personnel from all levels in the company evaluated their experiences and results of the MTG installation.

### **Comments from the mill operators:**

We save a lot of time with this new ABB equipment, now there is no need to recalibrate the X-ray systems, when we start with a new coil.

### **Comments from the mill management:**

We are very pleased with the fact that the MTG is not affected by variations of the different alloying elements, which is the case with the X-ray gauges.

The company is also very happy with the fact that we don't have to worry about radio-active restrictions.