SMART EYE
Equipment for precise Guide Setting and Alignment.

Morgårdshammar Guide Systems has developed a new digital camera based setting system, SMART EYE, for setting and alignment of roller guides. The compact design enables us to adapt the system to any roller guide and rolling mill brand. It is user friendly, fast, and gives an accurate setting without the need for a computer. To be able to control the setting and alignment of your guides, is an absolute must in order to ensure highest possible yield, good tolerances, surface finish, and to minimize wear on your wire rod block and roller guide equipment.

SMART EYE enables highly precise centering, gap setting and automatic verification of the rollers geometry against predetermined criteria.

The digital camera can as well see if the roller guide is positioned correctly in front of the mill groove. Of course you can also check and verify the setting of the mill stand.

Advantages:
- Simple and precise calibration.
- User friendly interface.
- Library of predetermined grooves.
- Compact design.
- Can be adapted to most brands of roller guides and mills.
- No industrial tablet PC required.
- Digital upgrade of existing AP1C bench or as new installation.
- Delivered ready to use.
SMART EYE consists of a portable camera unit, protective case with built in high capacity battery pack and screen, bench with screen and a LED backlight source especially developed for optics. The portable camera is a high-resolution camera which is IP67 protected to withstand the hostile environment of a rolling mill, and the same camera can be used on the bench as well as out in the mill.

A high speed data cable between camera and screen guarantees a secure data transfer/live video between camera and screen. A wireless connection is not to recommend in rolling mill environment. High risk of interference/disruption of data transfer due to high voltage application and magnetic fields.

Library of different grooves and templates for guide settings are stored in the camera for easy and fast access.