



## Customers profit from the new automated production of PID Lamps



The new clean bench facility - part of PID AUTO production.

AUTO-PID is a new milestone in the production of PID lamps. Large parts of the complex PID manufacturing process, which up to now were done manually, can now be fully automated on the new system.

Clear advantages for our customers: Process control on the automated system is much improved enabling production of lamps with much more consistent quality. Better control over lamp dimensions and shape can be achieved, which are important to customers when fitting lamps to their sensors.

AUTO production



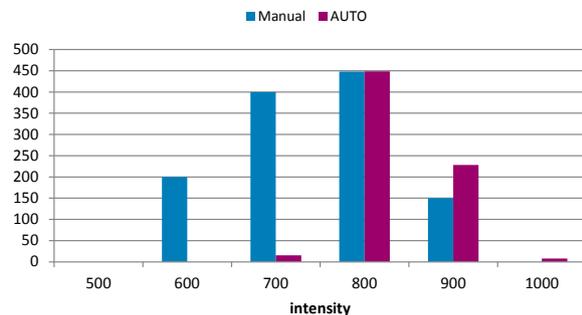
Standard production



More consistent bulb shape of AUTO production of the left.

Furthermore it is possible to influence the process systematically. The intensity of the lamps for example can be influenced by varying the process parameters and can now be adjusted to meet customers' specific requirements.

The intensity of a batch of lamps has always shown a certain distribution. Now the intensity of any batch can be limited to a specific region of this distribution.



Comparison of intensity distribution of AUTO and Manual production; RF-PID lamp 6mm, 10.6 eV

### Advantages of the new system at a glance:

- Consistent lamp quality
- Improved intensity distribution
- Targeted process control
- Increased flexibility in production
- Improved dimension and shape control

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