

ADJUST BOX EG8030

Optimal cutting quality and speed can only be achieved if a consistent distance is achieved between the work piece and the cutting head. Even the smallest deviations can lead to burr formation and negatively affect the cutting speed, the roughness of the cutting surfaces and gap width. Therefore all Precitec cutting heads have integrated distance sensors which form a fully automated distance control loop when completed with the EG8030 adjust box.

EFFICIENT

- multifaceted possibilities for user-defined parameterization
- recording/storage of up to 32 characteristic curves
- measurement of sensor temperature and plasma activity

FLEXIBLE

- generation of error signals to switch off the drive when an error occurs
- I/O interface as interface with the primary controller or CAN Open

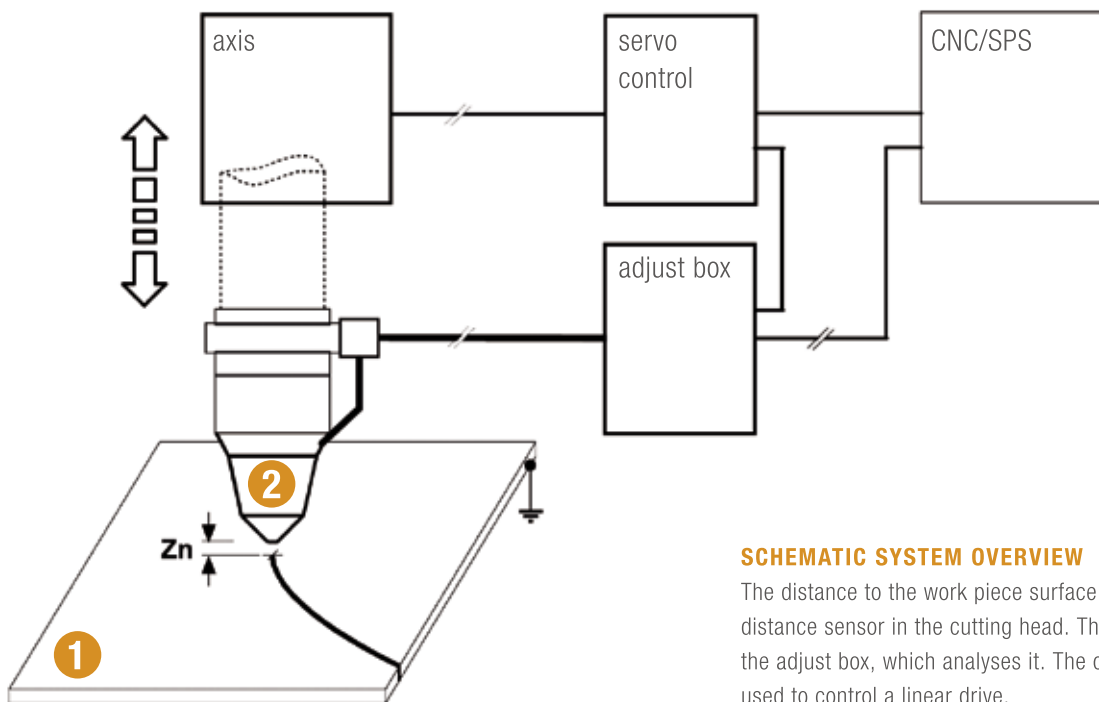
USER FRIENDLY & SAFE

- for all laser cutting applications with capacitive Lasermatic® distance sensor technology
- password-protected access authorization



TECHNICAL SPECIFICATIONS OF ADJUST BOX EG8030

measuring principle	Lasermatic®
measuring range	0.1 mm to 20 mm ((depending on sensor)
weight	0.8 kg
dimension (WxBxT)	71 x 128 x 184 mm
voltage supply	24 V DC \pm 10%, max. 6W



SCHEMATIC SYSTEM OVERVIEW

The distance to the work piece surface is detected by a capacitive distance sensor in the cutting head. The sensor signal is feeding the adjust box, which analyses it. The output signal can then be used to control a linear drive.

- 1 work piece
- 2 cutting head with integrated distance sensor

The given data was generated for a typical application and may be different given other circumstances. Furthermore misprints, changes and/or innovations may lead to differences in the listed measurements, technical data and features. Therefore all information is non-binding and technical data, measurements as well as features are not guaranteed by information in this product information.

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