

PRODUCT PROCESSING AND OVERVIEW

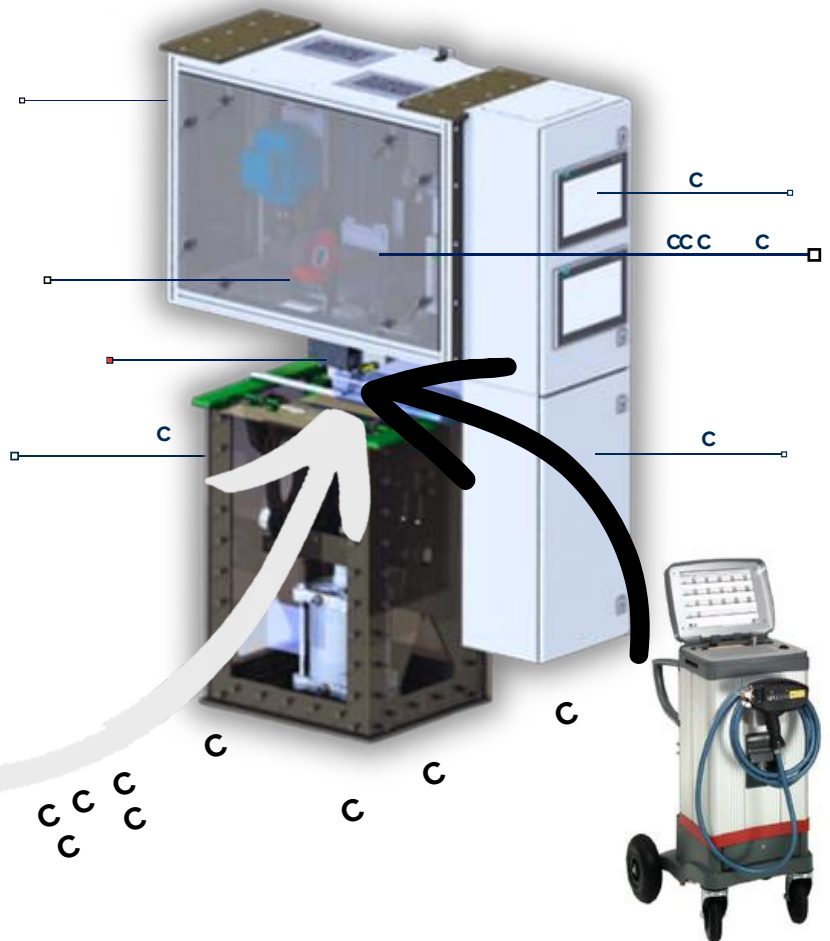
PMI-OES ROBOTIC

FLEXIBLE IN INSTALLATION AND FAST ANALYTICAL RESULTS

We integrate mobile metal analyzers from leading analysis manufacturers, such as the SPECTROTEST from Spectro Analytical.

PRODUCT PROCESSING COMPONENTS OVERVIEW

1. Recalibration saves target values of elements
2. Rods/tubes are fed in in the exact position.
3. Material is fixed during the process with clamping unit
4. Scale is removed from the surface.
5. OES-measurement and immediate logging in software
6. Cycle repetition if the target values deviate
7. Automatic electrode cleaning of SPECTROTEST





PMI-OES ROBOTIC (APPLICATION 1)

RAPID PASS/FAIL SORTING OR GRADE IDENTIFICATION

To ensure representative stability during the OES analysis, the scale layer of the metal object to be tested is removed with our grinding unit. The spark of SPECTROTEST is then aimed at the material to be tested with millimeter precision using programmed servo axes. The first measurement appears on the display within a total cycle time of 18 seconds. If the results are not within the specified requirements, a second cycle can be performed.

If the test is carried out in-line, we also offer to fix the metal objects to be tested, such as pipes with different diameters, in our clamping unit. This ensures the grinding accuracy and ultimately the representativeness of the measurement results.

CONTROL SYSTEM

In addition to the positioning and recalibration settings, you can switch to manual operation at any time using the "**BTA Manual**" button. Furthermore, the grinding wheel can be changed with one click and the electrode cleaning of the SPECTROTEST can be automated with a stored time interval. You also get an overview of the statistics of pass and fail materials at any time to increase your efficiency in production and logistics.

