

WP4 : Survey of commercial systems

List of companies so far (suggestions welcome)

1. Häcker Automation, Schwarzhausen
www.haecker-automation.com
2. Baumann GmbH
www.baumann-automation.com
3. Ficontec
www.ficontec.com
4. XENON Automatisierungstechnik
www.xenon-automation.com
5. SUESS MicroTec
www.suss.com
6. Finetech
www.finetech.de



WP4 : First contacts with Haecker Automation

Haecker Automation visit to DESY on May 30

Present :

Uwe Schulz (Technical Sales Manager)

Gerrit Haecker (CEO)

~2 hours presentations and discussion

Company offers base machines with configurable optional modules which will be designed or adapted to the specific needs (see slides attached)
cost range : few 100k Euro

Company is interested to setup a pre-project which would help defining the specifications and solutions
cost of a pre-project : few 10kEuro
timeline : few months



There is no off-the-shelf solution for the CMS module production

The Company sees no basic problem but a few challenges
metrology from both sides is not standard and needs active alignment
a few micrometer per placement/measurement is achievable
hence below 15 μm in total is in range but needs careful design
handling objects of 50cmx50cm is possible now

Before spending $\sim 10\%$ of the total for a pre-project we need to define
what are the requirements (different for ATLAS and CMS!)
which production steps are needed (module design)

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