

[MC-Lithography GmbH](#)

***Perkin
Elmer***

Micralign

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Load Arm Upgrade



Potential challenges with the OLD design:

- The Rubber Cup has to be glued
- The Load Arm has to be uninstalled
- Time consuming during installation of new Rubber Cup
- Long Downtime of the System during the change procedure
- Backside contamination of the Substrate
- Handling of thin Substrate not possible
- Expensive part

NEW design:

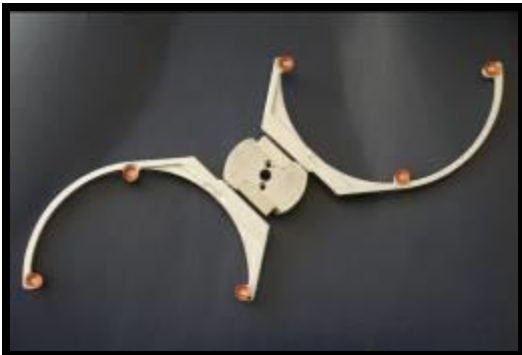
- Peek Insert
- Special Rubber Cups



Customer benefits with the NEW Style

- Less backside contamination
- No Load Arm de-installation needed
- Handling of thin Substrates possible
- Low cost rubber cup
- Ease Rubber Cup replacement. Plug-in' type
- High Uptime, High MTBF & low MTTR
- Resistance against the most common solvents

Carousel Arm Upgrade



Potential challenges with the OLD design:

- The Rubber Cup has to be unscrewed and glued
- The Carousel Arm has to be uninstalled
- Time consuming during installation of new Rubber Cup
- Long Downtime of the System during the change procedure
- Backside contamination of the Substrate
- Handling of thin Substrate not possible
- Expensive part

NEW design:

- Peek Insert
- Special rubber cups



Customer benefits with the NEW Style

- Less backside contamination
- No Carousel Arm de-installation needed
- Peek insert thread are compatible with the original Carousel Arm thread
- Handling of thin Substrates possible
- Low cost rubber cup
- Ease rubber cup replacement. Plug-in' type
- High Uptime, High MTBF & low MTTR
- Resistance against the most common solvents
- No changes on the Carousel Arm needed

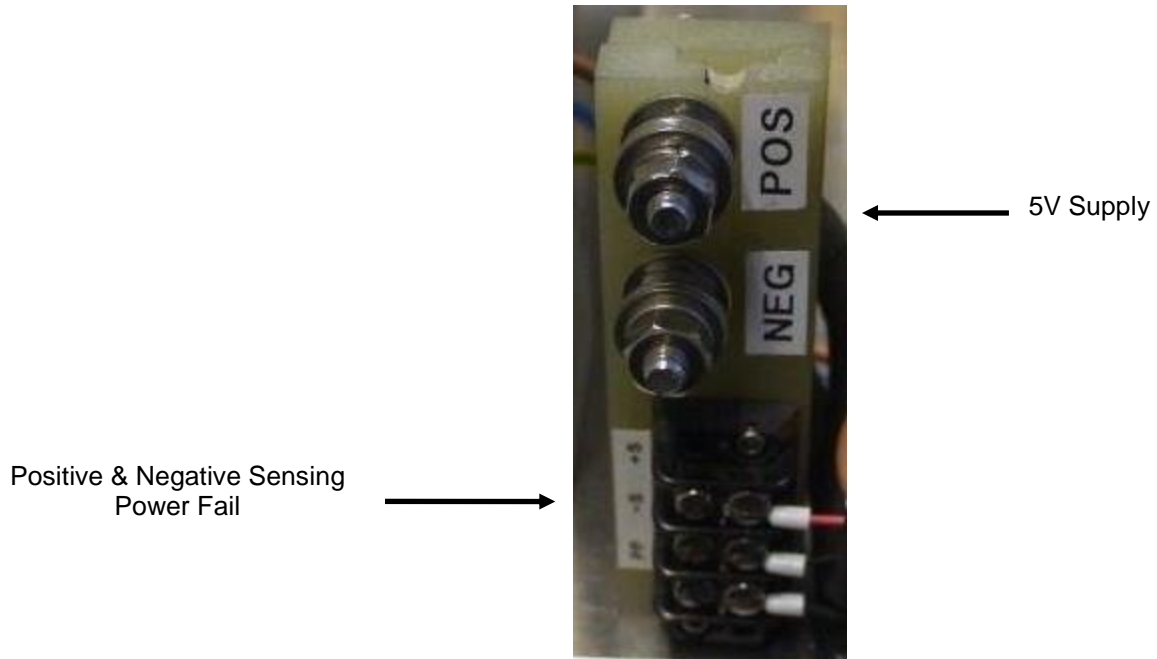
5V/15V Power Supply



Features:

- High efficiency
- Protections: Short circuit, Overload, Over voltage, Over temperature
- Built-in cooling fan
- Sense function

Easy Connecting:



Customer benefits:

- Easy replacement
- Plug & Play
- Easy fixing on Frame
- Constant Voltage

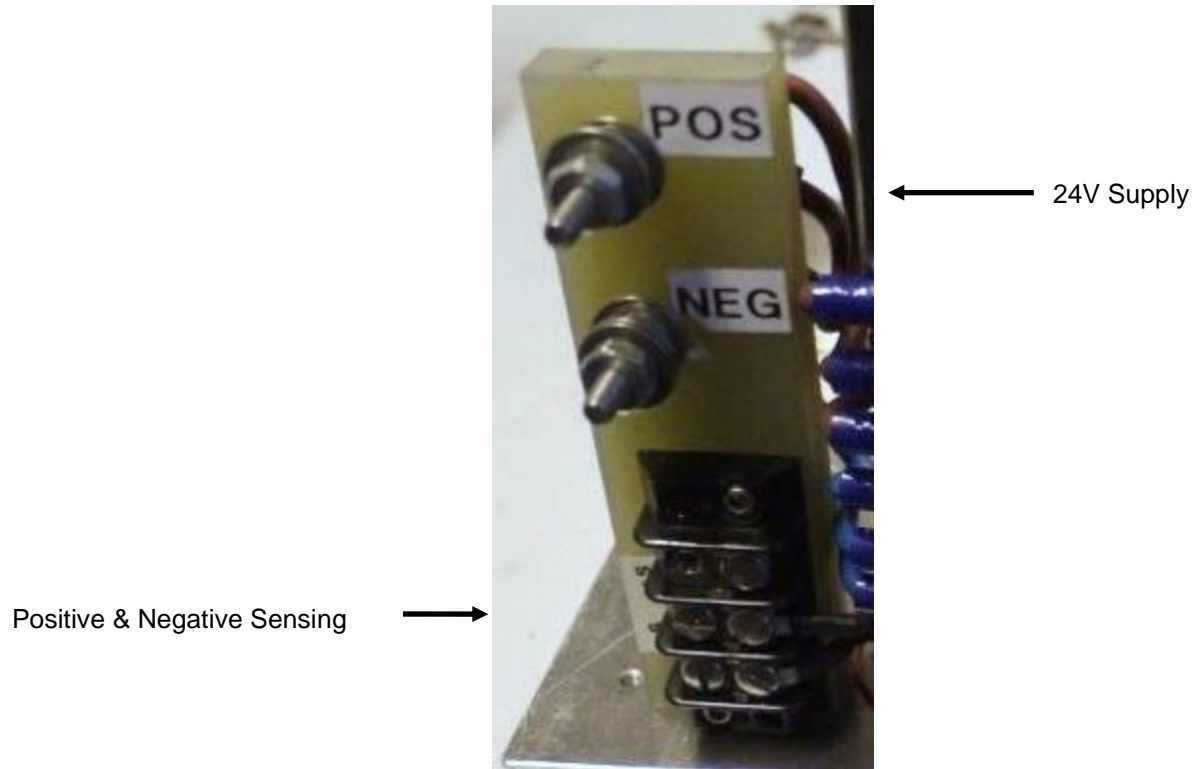
24V Power Supply



Features:

- Protections: Short circuit, Overload, Over voltage Over temperature
- Forced air cooling by built in fan
- Sense Function

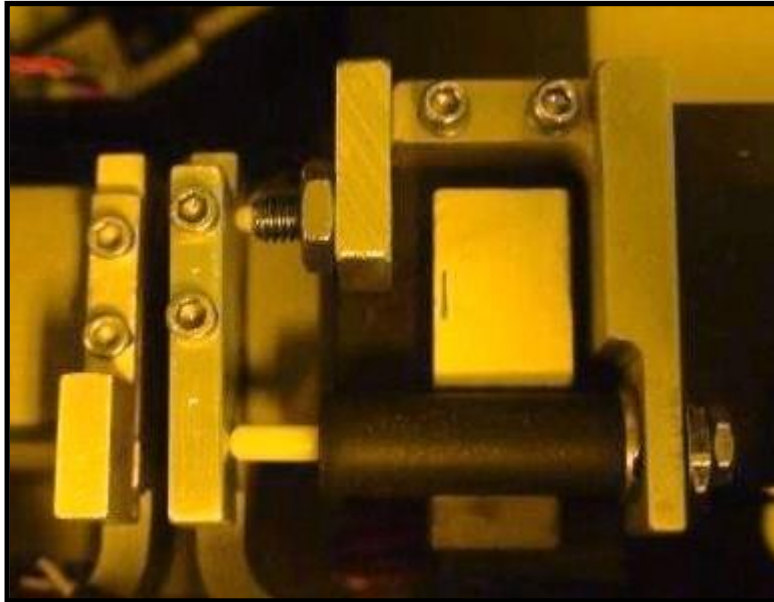
Easy Connecting:



Customer benefits:

- Easy replacement
- Plug & Play
- Easy fixing on Frame
- Constant Voltage

Input WAND Stopper



Customer benefits:

- Easy replacement
- NO Positioning Error

Easy replacement:

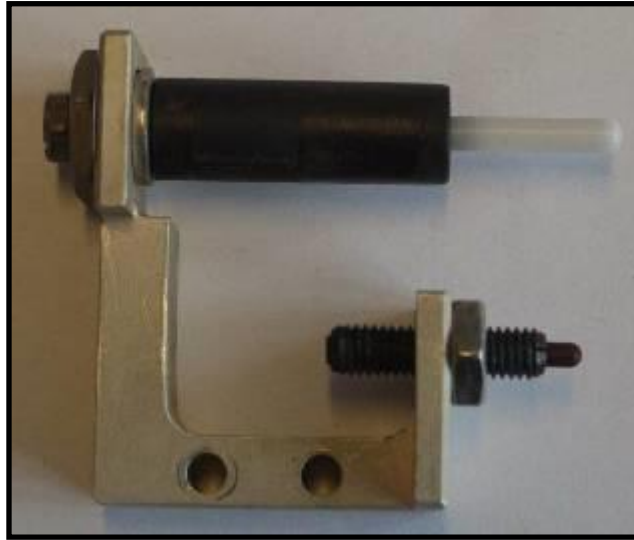
OLD Part Model 600



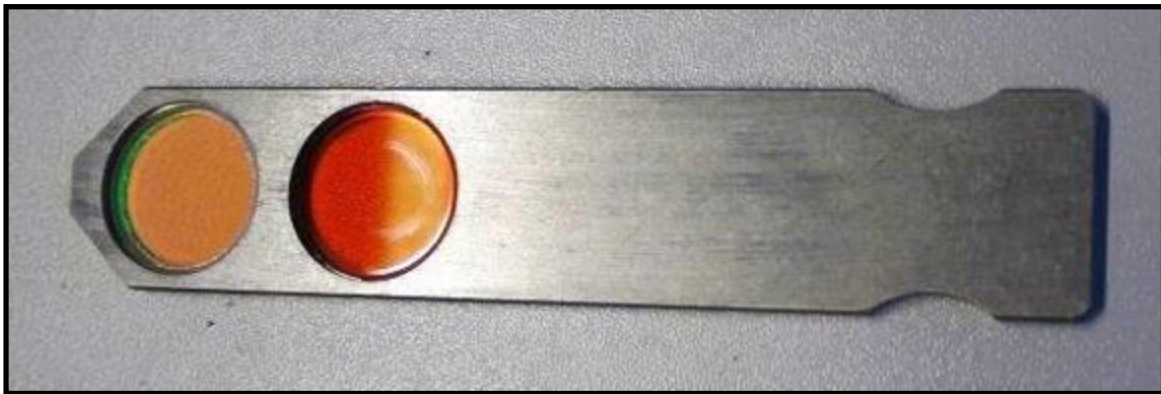
NEW Stopper



New Part:



Ocular Filter



Normal Filter:



NEW Ocular Filter 650 and 655nm :



Customer benefits:

- Low Cost Filter
- Easy replacement
- Better contrast also on special coated Wafers (f.e. Aluminium)

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Mask 5" and 6" YX-Theta Plate for Model 600

Front View:



Back View:



Customer benefits:

- Cost efficient
- Easy installation
- No adapter for 5" needed
- Usable for 5" and 6" Mask Plates
- Exposure the design of a 5" Mask to an 6" Wafer without the need of a 6" Mask