

KGD TESTER

KGD tests made easy



INFOTECH KGD TESTER

KGD tests create specific electrical, mechanical and physical challenges. Therefore, CREA and Infotech established a collaboration in order to create an all-in-one solution.

Each company is firmly specialized in their own field. Due to each's specialization, their collaboration has resulted in both ground-breaking and successful test station. Customer issues with integration and finding the suitable sub-suppliers have been smoothly solved with the KGD testing line and "testing limitations" have been pushed yet a bit further.



DC and AC KGD testing in a one-step-process



Flexible input and output options



High power testing up to 4.5 kV / 1000 A



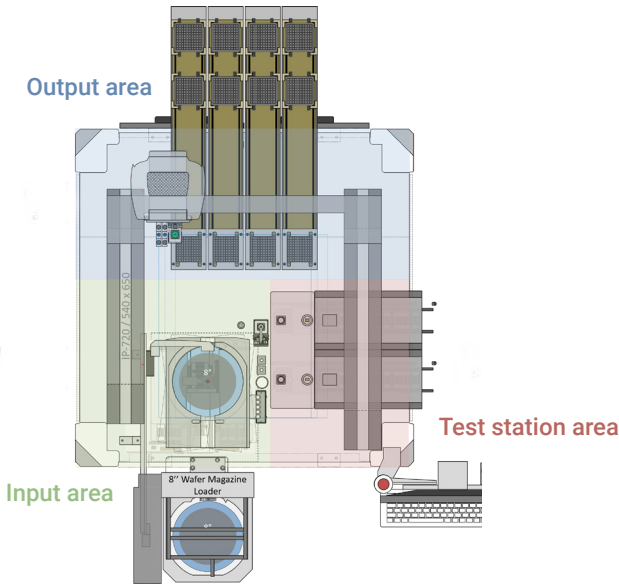
Fully automated single die testing up to 1200 UPH

POWER MODULE TESTING

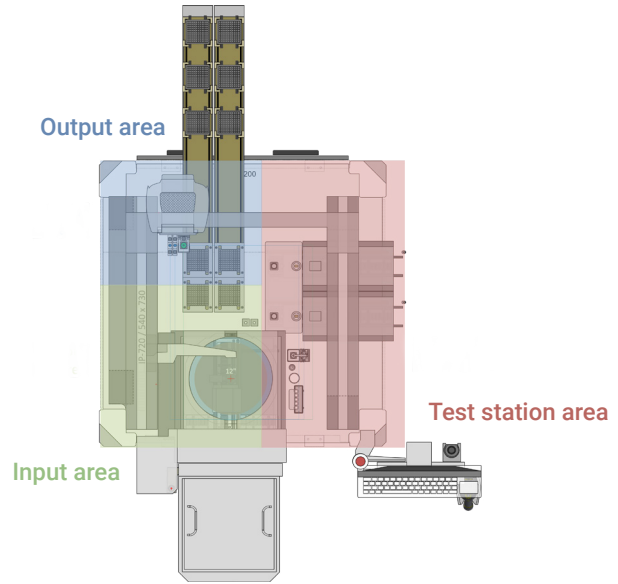
For static and dynamic tests as well as partial discharge tests to verify the isolation, special test devices and special test environments are needed, along with generators that produce high voltages and currents. The test objects are moved into a test chamber, flooded with CO2, fed to the test system and connected to the test system over a contact unit. During the test procedure, the handling system can unload a second, already tested module and place it into the required output format.

KGD TESTER LAYOUT

KGD Test Handler 8" Wafer



KGD Test Handler 12" Wafer



HANDLING OPTIONS

Input options:

Pick from:

- Wafer handler for 6", 8" or 12"
- Tape and reel feeder

Different packages with single positions or stack feeder:

- 2" or 4" waffle pack
- 2" or 4" Gel-Pak
- Jedec tray
- Custom tray form

Output options:

Separation in quality grades based on test results for all possible variants. Placement into different packages with single positions or stack feeder:

- 2" or 4" waffle pack
- 2" or 4" Gel-Pak
- Jedec tray
- Custom tray form

Placement onto:

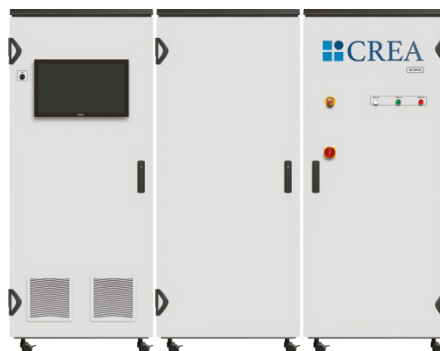
- Blue foil (wafer frame)
- Blister tape (sealing with cover tape)

TEST EQUIPMENT



MT100
60 x 80 x 180 (cm)

MT200
160 x 80 x 180 (cm)



MT300
240 x 80 x 180 (cm)



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