KEYENCE MICRO-EPSILON

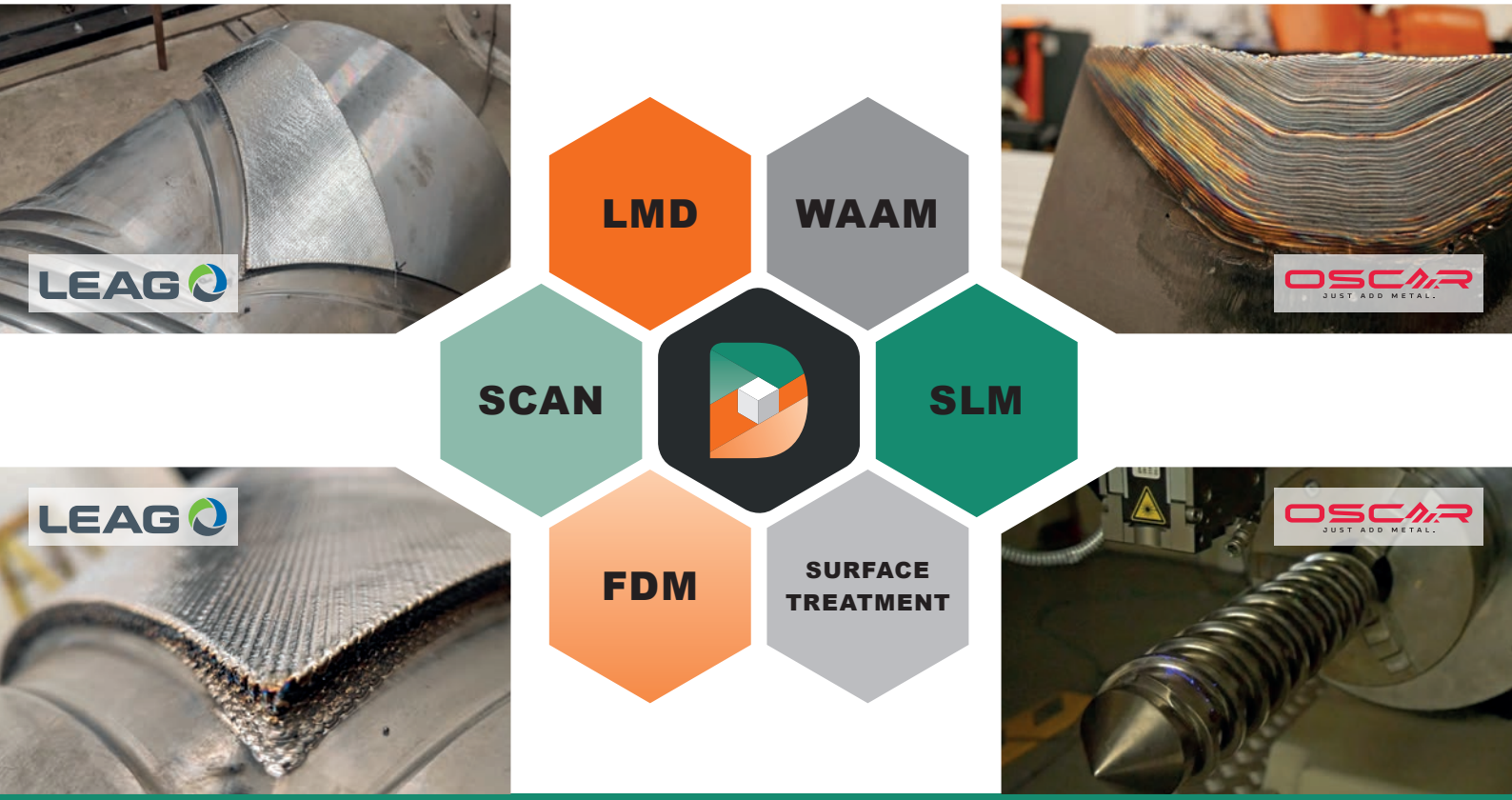
SKM DCAM
Hybrid Manufacturing with CNC and Robots

FLEXIBLE SCAN INTEGRATION IN SKM DCAM

INDEPENDENT INTERFACE FOR SCANNING TASKS
WITH MOST COMMON MACHINES

SKM DCAM now also provides the integration of scanning devices for multiple purposes.
The infrastructure can handle both known AND unknown geometries, depending on the needs!

SKM DCAM TECHNOLOGY EXTENDED FOR SPECIAL MEASUREMENT APPLICATIONS



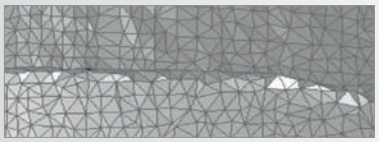
A CUSTOMIZABLE USER MODE OPENS THE POSSIBLE TO DEFINE SPECIFIC WORKFLOWS FOR DIFFERENT CAPABILITIES, SUCH AS:

- Partial or complete repair of parts (single layer, multi-layer, 3D printing repair)
- Hard facing or hardening without any CAD data
- Machining (measuring of the blank parts)
- Monitoring
- Toolpath adaption
- Positioning of printing or coating tasks
- Quality Management

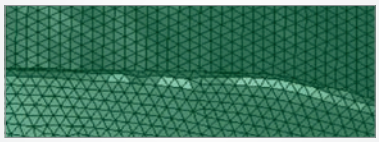
APPLICATIONS

SCAN OPTIMIZATION/RE-MESHING

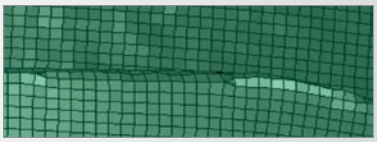
Performance optimization and surface smoothing



Triangle



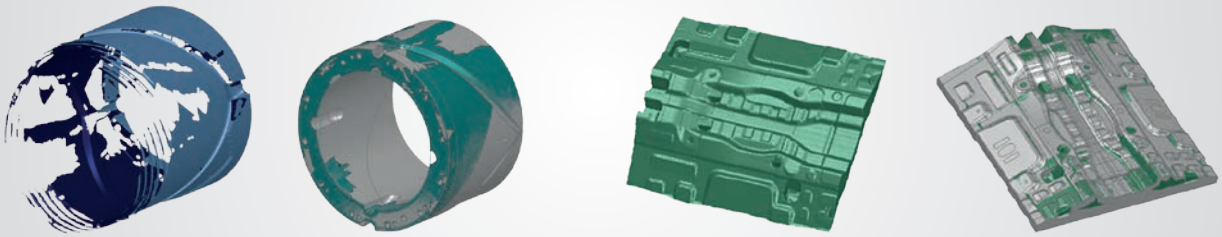
Ordered Triangle



Quadmesh

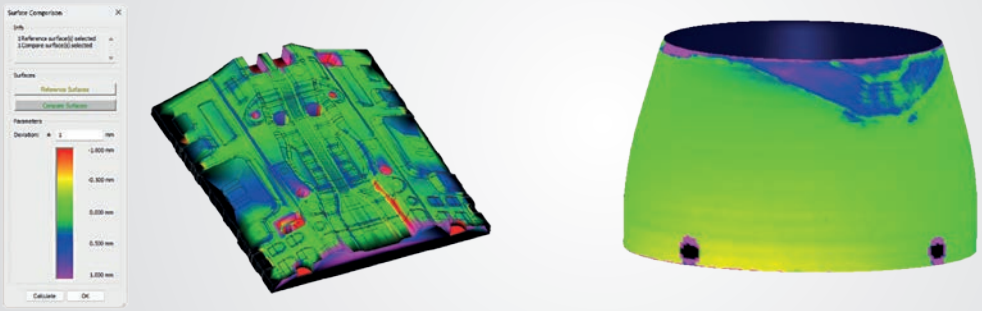
BEST-FIT ALIGNMENT

Fitting of CAD and scan data for accurate comparisons



INSPECTION

Marking differences in scanned and CAD geometries helps to edit complex areas individually



PYTHON BASED RAPID DEVELOPMENT

Performance optimization and surface smoothing

MACHINE INTERFACES AND COMMUNICATION PROTOCOLS

TCP/IP, OPC UA, Serial, MQTT, …

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