OUR PRODUCTS

CDS

COGNITIVE DESIGN SYSTEMS

COGNITIVE ADDITIVE

Automated industrialization software for Additive Manufacturing

*An efficient way to perform a **feasibility study***

Compare, explore and analyze your part inventory instantly

Verify the economic viability for various AM processes

AI POWERED

ON PREMISE

WHAT FOR?

AM ELIGIBILITY/DETECTOR

In just few clicks, find AM eligible parts from your inventory

PRINTABILITY ASSURANCE

Ensure clean and successful productions

SOFTWARE FEATURES

COSTING

Accurate cost estimation and cost breakdown

ORIENTATION

We analyze more than 5000 orientation to find the best one

RISK ANALYSIS

Visualize risk factor in our 3D viewer

LEAD TIME

Improve your production cycle

Automated & user friendly | **Time saving and efficient** | **Optimize your print results**

SUPPORTED MATERIALS AND PROCESSES

POLYMERS

DLP - Digital Light Processing
SLS - Selective Laser Sintering
FFF - Fused Filament Fabrication

METALS

Powder Bed Fusion
FFF - Fused Filament Fabrication
Binder Jetting

MAJOR MACHINES AND MATERIALS AVAILABLE

stratasys, INTAMSYS, 3DGENCE, RENISHAW apply innovation™, Roboze

- PLA
- PETG
- ABS
- PEEK
- ULTEM 9085

SLM SOLUTIONS, eos, CONCEPTLASER, 3D SYSTEMS

- TA6V
- 316L
- Inconel 718
- Maraging
- 17-4HP
- AlSi10

This list of of machines and materials is not limited to the examples mentioned above
The software allows you to add machines and materials of your own

MODE OF OPERATION

COGNITIVE ADDITIVE

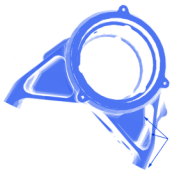
AM STUDY

USER IMPUTS

IMPORT

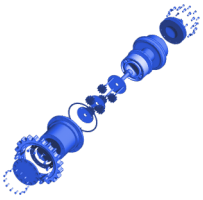
STL STEP STP

PART



OR

ASSEMBLY



PROGRAM OUTPUTS

EXPORT

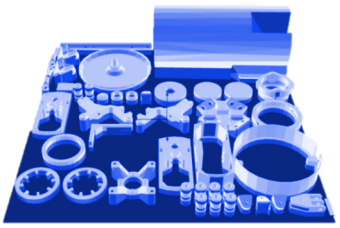
Excel CSV - Manufacturing KPI STL - Nested Model PDF - Report Summary GLB - Colored Model

RISK ANALYSIS

- printability analysis
- mesh analysis

COST ANALYSIS

- manufacturability analysis
- batch cost analysis
- lead time



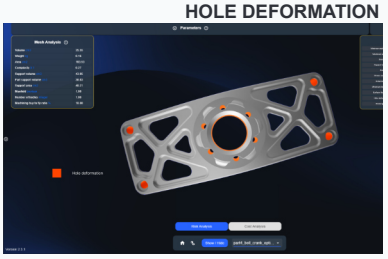
VISUALIZE MANUFACTURING RISKS

MIN FEATURES SIZE

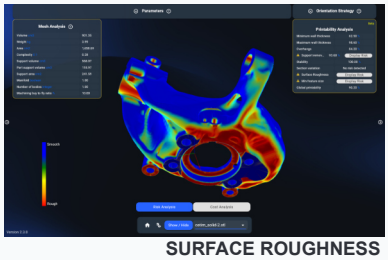
DELAMINATION

WALL DEFORMATION

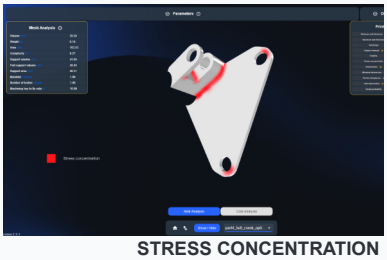
HOLE DEFORMATION



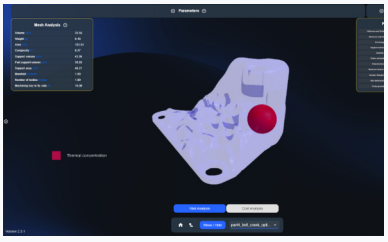
SUPPORT ZONE



SURFACE ROUGHNESS



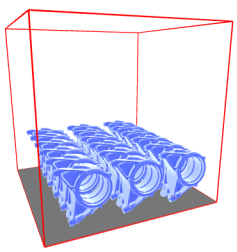
STRESS CONCENTRATION



THERMAL CONCENTRATION

PART SCREENING

Screen, compare and identify AM parts



Different machines

Various materials

KPIS
- Printing time
- Part cost
- Printability