

ROCKY - Capabilities Chart

ROCKY	ROCKY DESIGNER ++	ROCKY PROFESSIONAL
General		
Materials Catalog	▪	▪
Interactions Catalog	▪	▪
Extend Simulation Time	▪	▪
Change-Out Boundaries or Particle Groups	▪	▪
ROCKY RSM (Remote Solve Manager)	▪	▪
Periodic Boundaries		▪
Macro		▪
Python Shell		▪
Parallel Processes		
Parallel CPU Solver (HPC licenses required)	+	+
Parallel GPU Solver (HPC licenses required)	+	+
Contact and Physical Models		
Rolling Resistance Model: Type 1 - Constant rolling resistance model	▪	▪
Rolling Resistance Model: Type 3 - Elastic-plastic spring-dashpot resistance model	▪	▪
Shear Wear Contour Plots	▪	▪
Wear (Surface Wear Modification)		▪
Particle Breakage		▪
Geometry Types		
Custom Inlets	▪	▪
Import Custom Geometries (XGL, STL, and DXF Files)	▪	▪
ROCKY Feed Conveyor Parametric	▪	▪
ROCKY Receiving Conveyor Parametric	▪	▪
Movement		
Rotation	▪	▪
Translation	▪	▪
Rotation Without Displacement	▪	▪
Translation Without Displacement	▪	▪
Vibration		▪
Pendulum		▪
Periodic Motion		▪
6DOF (Six Degrees of Freedom)		▪

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Particle Types		
Spherical Particles	▪	▪
Non-Round Particles	▪	▪
Particle Size Distribution	▪	▪
Adhesive Materials (Wet/Dry/Sticky Contact Rheologies)	▪	▪
Data Export		
Export Image	▪	▪
Export Table Data	▪	▪
Export Curve Data	▪	▪
Export Data for FEM Analysis / ANSYS	▪	▪
Particle Energy Spectrum		▪
Quantitative Calculations		
Cube	▪	▪
Plane	▪	▪
Property	▪	▪
Post Processing Tools		
3D View	▪	▪
Time Plot	▪	▪
Space Plot	▪	▪
Histogram	▪	▪
Video Animation	▪	▪
Cross Plot	▪	▪
Particles Trajectory		▪
Multi Time Plot		▪
External Coupling / Other Physics		
ANSYS Fluent 1-Way Coupling (Using Rocky 2.4 License)		▪
Airflow (Lattice Boltzmann) (Using Rocky 2.4 License)		▪

+ Additional Product Required
 ++ Rocky Designer - Max. 1.000.000 Particles

Überreicht durch:

CADFEM®

Simulation ist mehr als Software®

Geschäftsstellen in Grafing bei München, Berlin, Chemnitz, Dortmund, Frankfurt, Hannover, Stuttgart, Aadorf (CH) und Wien (A)

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