



RIB3D is a 3D metrology tool for inspecting rebar steels designed for use in manufacturing environment

- Measurement on rebars, steel mesh, shafts, rods, screw, bolts, and any cylindrical part.
- Fully automated custom excel reporting on all international standards
- Manufactured for 24/7 use & Proven factory performance > 30 000 hrs
- Precise measurement with 3D point cloud and STL technology
- Ease of use and speed by single click operation (Reporting in 3 minutes)
- Full automated measurement reduces need for specially trained techs
- Automatic mass per metre (kg/m) measurements
- CE certified, manufactured on ISO9001 standards

Software

- Measurement Parameters: bar diameter, maximum height of transverse rib, transverse rib spacing, average gap between two adjacent rib rows, transverse rib length, relative area under transverse rib, transverse rib head width, longitudinal rib height, angle between the axis of a transverse rib and the bar, transverse rib flank inclination
- 3D scanning of rebars and direct STL transfer of the models (can be used to analyze any cylindrical rod geometry)
- Fully automated customized xls report generation with optional password protection for improved data security
- Automated stabilization correct sample alignment shifts up to 20 degrees eliminating the need for perfect linear rebar sample requirement and gives the best result for all rebars.

Hardware

- 4 point rebar holder with manual chuck holds rebars from 1 to 75 mm diameter
- Rebar rotational analysis resolution up to 4000 points per circumference (accuracy adjustable via software)
- P-Cam machine vision color camera (isolated from environmental dust with protection chamber) with alignment stabilization
- USB 2.0/3.0 control electronics (110-240V 50/60Hz)

Warranty and Support

- 1 year unlimited hardware warranty with replacement option
- Service packages available up to 7 years with standart update option
- Turnkey solution with software installed PC , on-site training and online customer support
- International high profile clients uses PSARON systems for engineering and industrial applications