

# STEEL TEST

Steel RIB measurement advanced software

**SCANNY3D**®

Sistemi di scansione laser 3D  
3D laser scanning systems

3D LASER  
SCANNER

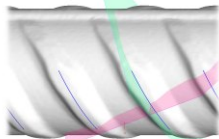
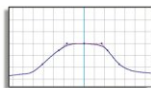
From the bar...

Innovative software for the  
**automatic calculation**  
of the **RELATIVE RIB AREA** of  
reinforcing bars

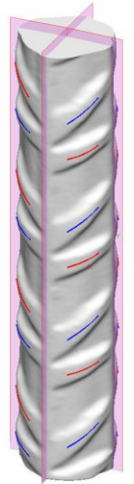
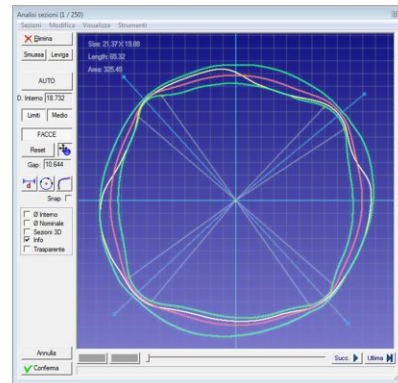
...to the automatic creation  
of the test report

...to the **3D** model

Automatic identification of the ribs



$$f_R = \frac{1}{\pi d} \sum_{i=1}^n m \sum_{j=1}^m F_{Ri,j} \cdot \sin \beta_{i,j} + \frac{1}{P} \sum_{k=1}^q a_k$$



**Numeric and graphics  
analysis of all the ribs**

row	rib	a (1/4)	a (m)	a (3/4)	area	c	beta	alpha	b	Lrh
1	A	1.107	1.368	1.194	23.23	19.01	68.51	42.41	1.65	0.65
1	B	1.268	1.328	1.172	26.50	18.99	52.85	40.34	1.45	0.65
2	A	1.237	1.347	1.233	26.32	18.98	52.97	42.34	1.71	0.70
2	B	1.215	1.422	1.211	24.21	18.96	69.33	40.95	1.62	0.70
AVG		1.207	1.366	1.202	25.07	9.50	60.91	41.51	1.61	0.67

## Main features:

- Ease of use
- Import from 3D SCANNER
- 100% automatic calculation procedure of the relative rib area in accordance with EN ISO 15630 and main international standards
- Quick and intuitive procedure
- Clear and easy to read measurement result
- Connection with external databases
- Possibility of carrying out additional measurements directly on the 3D model of the bar
- Personalized printout of the test report
- Possibility of carrying out a complete geometric check
- Possibility to customize the list of calculated parameters
- Software updates with regulatory revisions
- Export of numerical results in various formats



For more information visit the web site:

**WWW.STEEL-TEST.COM**

**SCANNY3D**® s.r.l.

3D laser scanning systems

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