

# RQ8000

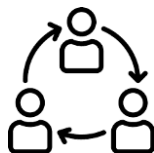


**Roll quality profile** testing made **easy. Rapid. Accurate!**



## Cost savings

Avoid runnability issues! Early and fast detection of small roll defects enables **enormous elimination of waste** during production and upon delivery. It guarantees **savings of raw materials**, time, manpower and **customer satisfaction**.



## User independency

Unmatched **repeatability** even at **high measurement speed & from edge-to-edge** - regardless of the user experience the same results are obtained by all your employees in fraction of time thanks to measurement speed up to **50 cm.s<sup>-1</sup>**



## Accuracy

**30 impacts per second monitored 100'000 times** ensure **ultrahigh measurement accuracy**, enabling live detection of the smallest roll defects and even profile control. **Versatile**, suitable for **various types** of materials from standard paper up to thin composite rolls films.

# RQ 8000 - Roll quality profile tester

Applications - materials	RQ8000
Paper	●
Aluminum	●
Plastic (PET/PET, etc...)	●
Composite – multilayer (e.g. PET/PE/Aluminium)	●
Thin films (e.g. BDF, BOPET, BOPP, BOPA, ...)	●
Custom...	●

Applications - processes	RQ8000
General: Roll process control	●
Customer rolls quality control	●
Parent reels testing	●
Caliper profile control	●
Machine roll control	●
Roll grinding control	●
Non-destructive testing of end rolls – winder testing profile control	●
Calendering process control	●
Tracking of other parameters that can be monitored through hardness profile change	●
No roll-size limits	●

Measurement parameters	
Technology	Impact hammer deceleration method
Native scale	Gravity units, g, [9.81 m·s <sup>-2</sup> ]
Secondary method	Impact hammer penetration depth
Secondary scale	Depth / μm
Measurement frequency (impact)	30 Hz, (30 hits·s <sup>-1</sup> )
Impact hammer measurement resolution	100'000 s <sup>-1</sup>
Length measurement resolution	1 mm
Max recommended measurement speed*	Up to 50 cm·s <sup>-1</sup>

\*-depending on the material type

Contact Information	
HQ	Proceq SA Ringstrasse 2 CH-8603 Schwerzenbach Tel: +41 43 355 38 00
Regional Contacts	<a href="http://www.proceq.com/contact/proceq-network">www.proceq.com/contact/proceq-network</a>

Device parameters	
Dimensions	75 x 105 x 190 / mm 3 x 2.4 x 7.3 in
Weight	1'250 g / 44.1 oz
Device housing	Rugged metal encasing & frame
Verification according to:	Internal standard for periodic control
Bar and QR code scanner	Built-in camera with illumination, various formats supported including linear, stacked linear and matrix bar (QR codes), range 1-30 cm

Operating parameters	
Battery	4x AA 2500 mAh (NiMH), flight-safe
Battery autonomy: measurement	2 hours continuous > 215'000 measurement points
Battery autonomy: stand-by	Up to 5 hours
Charger	Any external AA charger can be used, internal charging through the USB B port

Data exchange	
Wired connection	USB A-B
Wireless	Bluetooth 2.0 up to 30 meters
Removable media	Secure Digital (SD) up to 32 GB

Mobile device compatibility	
Operation with mobile devices	Yes
Type of device	Tablet, Windows-based
Operating system	Windows 10
Screen size	>6"

RQ8000 Software	
Operating system	Windows 7 or newer
Languages	English, Finish, Italian, French

Ordering information	
342 20 000	RQ8000 Kit that includes: 4 rechargeable AA batteries (+ spare set), SD card (+ spare), battery charger + power cord, USB A-B cable, USB memory stick, Carrying case, documentation, Quick start guide
342 20 00x	Windows Tablet w/ pre-installed Application
342 20 001	Stabilizing sample

