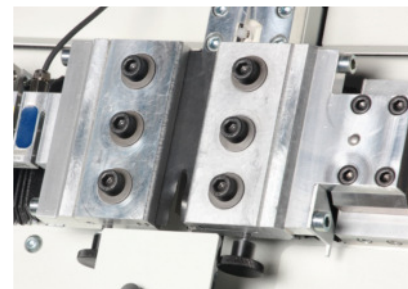
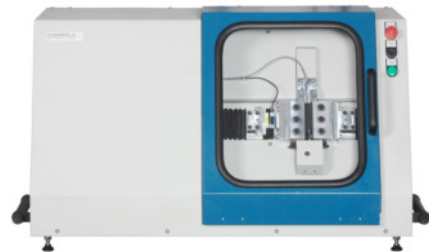




## 61-453 ISA – Intrinsic Strength Analyser



Runs Endurica Test Protocols



### Application

Automatic and fast measurement (<8h) of crack initiating force T0 according to Endurica test method.

### Features

The Coesfeld Intrinsic Strength Analyzer (ISA) automatically evaluates the minimum tearing energy T0 that initiates and drives crack growth. Measuring the endurance limit with classic methods can take months. The ISA based on Endurica testing and evaluation methods generates results within less than 8 hours. The measurement runs fully automatic. Critical Tearing Energy Tc can be estimated as a side product at the end of the measurement. The ISA is fully PC controlled.

### Specifications

Loading F_strain	500 N
Loading F_cut	20 N
Force measuring accuracy	0,04 % FN
Drives/ Sensor	Spindle gear drives
Speed strain	0,1 to 60 mm/min
Speed cut	0,01 to 30 mm/min
Clamping distance	5 to 100 mm

### Dimensions and Connection

Dimensions (WxDxH)	1.105 x 572 x 580 mm
Weight	100 kg
Mains	10-230 V NPE, 5 A (at 230V)
Interfaces	TCP/IP to PC

### Accessories

Cutting Knife/ Blade (steel/ coated)

Please contact us for a detailed discussion of your measuring tasks.