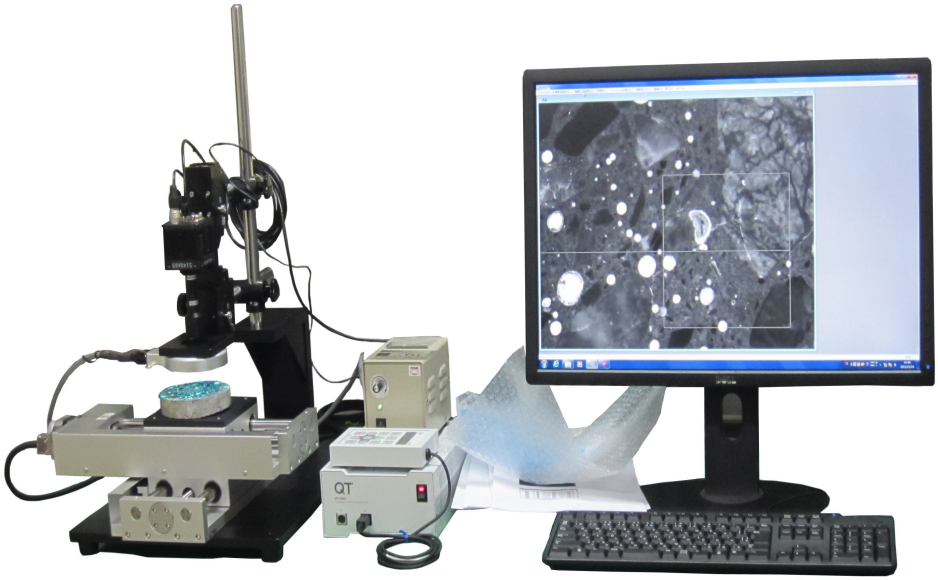
콘크리트 기포조직 측정 System

ASTM C 457에 준하여 디니아 트래버스법으로 정도를 높게 측정 가능한 동시에 측정시간을 단축 병행하여 응용범위를 넓게 하기 때문에 염색법으로 화상처리 되어 기포 조직의 Parameter도 측정하는 장비



Model : MIT-840-01
Maker : MARUI & Co., Ltd

※.Specification

1. High Magnification Photographing Device(with simple type ultra-violet ring light)
   - 1-1. High Resolution 2/3 inch CCD Camera
   - 1-2. Resolution Rate 1392×1040(140million) Frame Rate 30fps
   - 1-3. C Mount Lens Compatible Weight : 230g
   - 1-4. Outer Dimensions size : 55×55×55(mm)
   - 1-5. Macro Lens : Fixed magnification 1X WD : 65mm
   - 1-6. Ultra-Violet Lamp Ring lamp outer diameter 80mm Average Life 1,000H
   - 1-7. Light frequency 30㎑ with power supply
   - 1-8. Fixing platform : 636×450×350mm(W×D×H) with camera attachment pole with Ultra violet lamp attachment.

2. XY stage (Stand fix type)
   - 2-1. XY stage : 2Axis±75mm, Stage side : 125mm×125mm
   - 2-2. Resolution 0.002mm(0.001mm in case of half Stage), Max speed : 16mm/sec
   - 2-3. With stage connection cables 2 PCs

3. Air Void Analysis Software (with stage control software)

3-1. Area method
3-2. Auto-Linear traverse method
3-3. Manual linear traverse method
3-4. Air void Count
3-5. Air Void Count per unit area.
3-6. Accumulated Air Void Area
3-7. Average Air void Area
3-8. Standard Deviation
3-9. Average Air Void Diameter
3-10. Air Content
3-11. Surface Area
3-12. Air Void Interval coefficient etc
3-13. XY Stage Control Software : Measurement interval assign Auto/manual Shift

4. Multi-Purpose Image Analysis Software

4-1. Image Disposal Functions
4-2. Count, Area, Shape coefficient
4-3. Circle Degree coefficient
4-4. Density Measurement
4-5. Color Measurement
4-6. Auto-Measurement by key macro
4-7. Particle Distribution
4-8. Several kinds graphic display etc

5. 계측용 P/C : Window2000, XP