

# Testing Systems for use in the laboratory

## STANDARD UNIT

### UTS 4.3

LAB version  
Automatic test system

The UTS 4.3 is a universal and fully automatic tablet testing system based on the long-proven UTS 4.1 – this was developed for industrial use and can be found in production worldwide. The UTS 4.3 as a LAB version is now equipped with the database-driven, intuitive all-in-one touch software and no longer requires additional software solutions for most areas of application.

The functionality of the software can be extended modularly and individually adapted to your needs and requirements. FDA regulations can be fulfilled with the optional FDA-21-CFR-Part-11 module.

With UTS 4.3 – as with the proven UTS 4.1 in the IPC range – you can test round, oval, square and rectangular tablets as well as numerous special shapes. For difficult oblong tablets, the globally used Oblong Centering System (OZB) can also be integrated.

#### MEASUREMENT PARAMETERS

-  WEIGHT
-  THICKNESS
-  DIAMETER
-  LENGTH
-  HARDNESS
-  WIDTH (OPTIONAL WITH OZB)

#### ADVANTAGES

- Intuitive touchscreen operation
- Modular expandable database-driven All-in-one touch software
- Automatic positioning of tablets
- Measuring range (hardness) optional up to 1000 N
- Interfaces: USB and LAN
- Solid construction

#### OPTIONS

- Oblong Centering System (OZB)
- Load cells: 500 N (standard), 1000 N
- 12-station collector
- License: FDA 21 CFR Part 11 (including audit trail, batch report, user management)
- Licenses: TTS11 interface, user management, import and export (LIMS, CSV), IQ/OQ
- Further software licenses on request

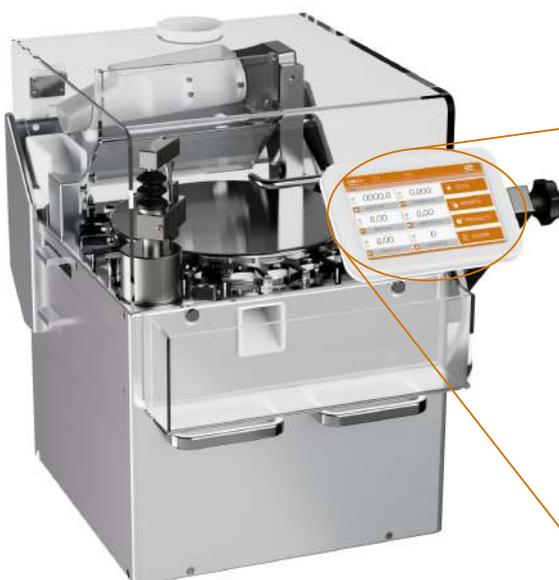
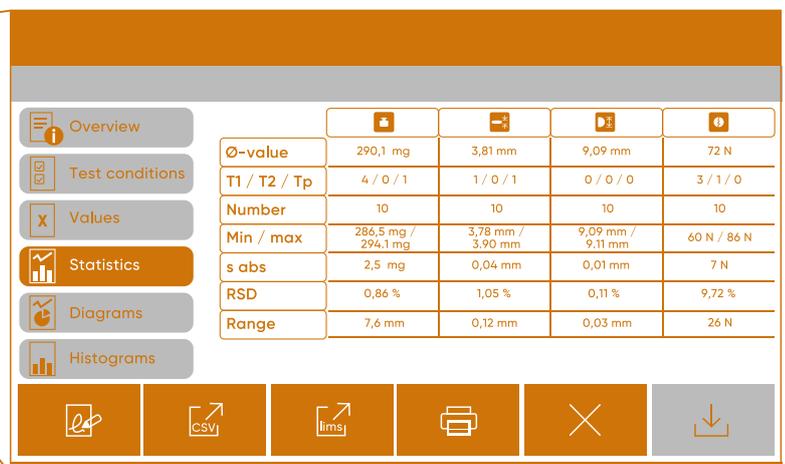


Figure: UTS 4.3 as basic unit



Pic.: Powerful, innovative touch panel software

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## Technical data UTS 4.3v

[www.ischi.com](http://www.ischi.com)

Scale	Technically specified	Guaranteed for this specific device
Unit of measurement	mg / g	mg / g
Measuring range	10 – 50 000 mg	10 – 50 000 mg
Measuring accuracy	±1 mg in stable environment, ±2 mg in unstable environment	±1 mg in stable environment, ±2 mg in unstable environment
Measurement resolution	1 mg / 0.1 mg (adjustable)	1 mg / 0.1 mg (adjustable)

Thickness	Technically specified	Guaranteed for this specific device
Unit of measurement	mm / Inch	mm / Inch
Measuring range	0 – 17 mm	3 – 12 mm
Measuring accuracy	±0.05 mm	±0.05 mm
Measurement resolution	0.01 mm	0.01 mm

Diameter/length	Technically specified	Guaranteed for this specific device
Unit of measurement	mm / Inch	mm / Inch
Measuring range	0 – 18 mm	3 – 18 mm
Measuring accuracy	±0.05 mm	±0.05 mm
Measurement resolution	0.01 mm	0.01 mm

Hardness	Technically specified	Guaranteed for this specific device
Measuring range	4 – 500 N (standard), 8 – 1 000 N (optional), 4 – 50 N (optional)	4 – 400 N (standard), 8 – 800 N (optional), 4 – 40 N (optional)
Measuring accuracy	±1 N (standard), ±2 N at 1000 N (optional), ±0.1 N at 50 N (optional)	±1 N (standard), ±2 N at 800 N (optional), ±0.1 N at 40 N (optional)
Unit of measurement	N / Kp / SC	N / Kp / SC
Calibration	Static, optional dynamic	Static, optional dynamic

General	
Interfaces	1 x RS-232 / 1 x RS-422
W x D x H	495 x 624 x 545 mm
Weight of basic unit	42 kg
Mains connection	100 – 240 VAC, 50 / 60 Hz
Language packages	Spanish, Dutch, Italian, French, Brazilian, Portuguese, Portuguese, Polish, English, German

## Type options:



UTS 4.3  
With feeder



UTS 4.3  
With collector



UTS 4.3  
With feeder and collector