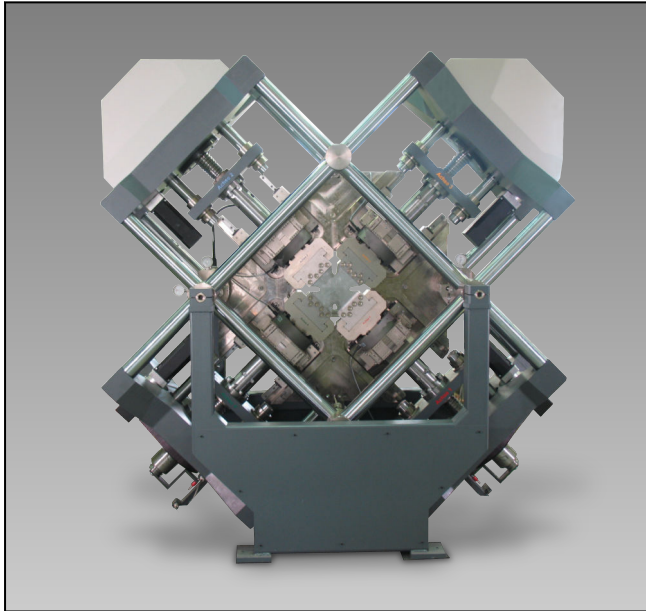


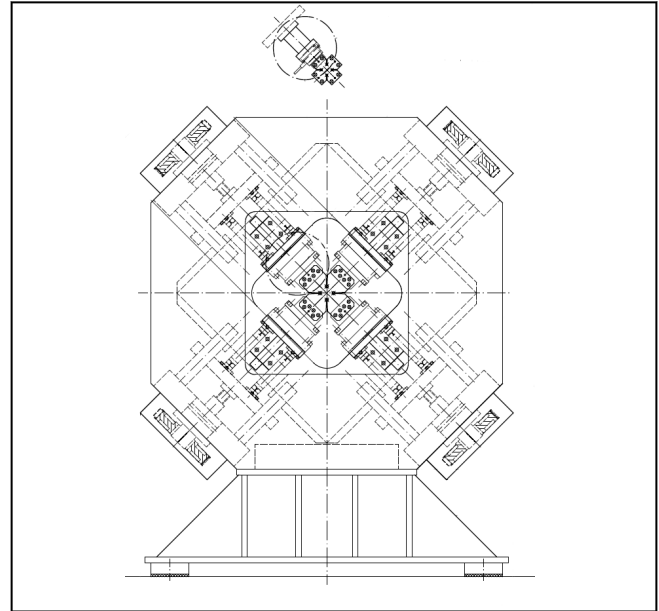
## Product Information

Vertically oriented cruciform testing machine for tests up to 250 kN

CTA: 38489 38495



250kN cruciform testing machine



Installation drawing showing arrangement

### Range of application

This cruciform testing machine is designed for tests on sheet metals up to a maximum test force of 250 kN.

The system is mounted on a welded support frame in which the four drive units are mounted at an angle of 45° to the vertical and horizontal axes. The vertical design of this cruciform testing machine allows an unobstructed view of the specimen from front and rear, enabling strain measurement using optical measuring systems.

For strain measurement and control a videoXtens extensometer is available; specimen strain is recorded in the x/y directions. Mid-point control is available as an option if required in addition to strain measurement and control.

If mid-point control is not required, the drive axes can also be provided in master-slave mode, in which case only two measurement and control electronics units are required.

### Advantages and features

- Employs proven ZwickRoell standard components
- Convenient working height
- Unobstructed view of specimen
- videoXtens employed for strain measurement and control
- testControl II measurement and control electronics
- Force or displacement control with smooth switching between modes
- testXpert III Master Test Program with graphical multi-axial sequence editor for 4 test axes for generation of customer's own test sequences
- Low maintenance costs combined with high life-expectancy
- Safety housing in compliance with CE Machinery Directive according to application
- vertical design saves space
- test support frame features welded construction plus 4 guide-columns for high degree of stiffness

## Product Information

Vertically oriented cruciform testing machine for tests up to 250 kN

CTA: 38488 38491



Cruciform specimen installed



Customized cruciform specimen

<b>Fmax</b>	<b>250</b>	<b>kN</b>
<b>Item No.</b>	<b>000661</b>	
Load frame dimensions		
Height, max.	2400	mm
Width, max.	2200	mm
Depth, max.	1100	mm
Working height	1200	mm
Stroke per axis, max.	100	mm
Speed, max.	40	mm/min

### Load cell plus specimen grips

<b>Fmax</b>	<b>30</b>	<b>250</b>	<b>kN</b>
<b>Item No.</b>	<b>000660</b>	<b>000658</b>	
Specimen dimensions			
specimen length	150	300	mm
specimen width	75	130	mm
specimen thickness:	0.5 to 2	0.5 to 5	mm

### Accessories required

<b>Description</b>	<b>Item number</b>
19" electrical cabinet with measurement and control units for master-slave operation of test axes	<b>000662</b>
Calibration fixture	<b>000666</b>