

ZEISS Integration Series

Operating



ZEISS INTEGRATION SERIES

Standard Products

ZEISS Integration Series

1 Loading

ZEISS Integration Series

2 Operating

ZEISS Integration Series

3 Automating

Custom Solutions

ZEISS Integration Series

4 Custom

Customize

#1

ZEISS Integration Series –
Operating

Customer Processes

ZEISS Integration Series Operating Fields of Application



Integration of quality assurance from the measuring room in a production environment – protected and stable.

01

Efficient quality data handling even if there are measuring results from different devices like CMM, hand gauges etc.

02

03

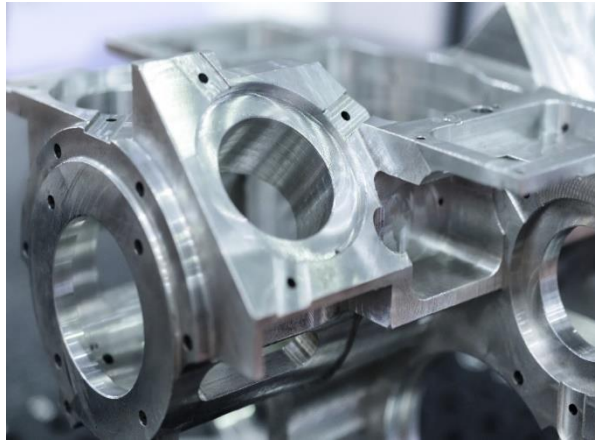
Process control is needed to give direct feedback to the production.

ZEISS Integration Series Operating

Fields of Application – by parts



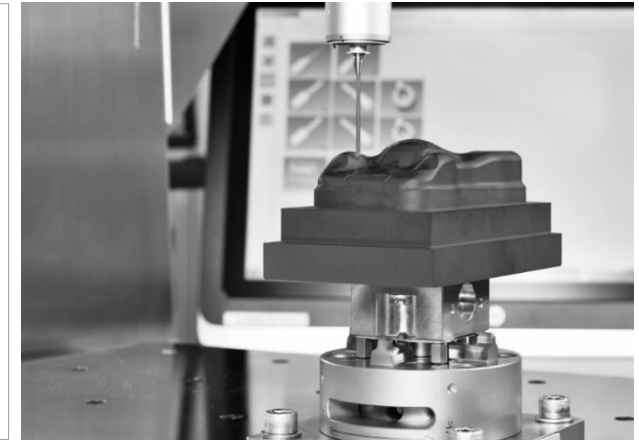
✓ Small housings



✓ CNC machined parts



✓ Plastic parts



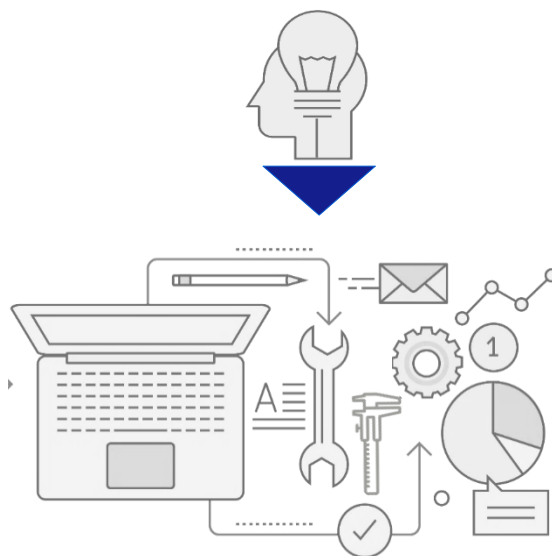
✓ EDM workpieces

ZEISS Integration Series Operating

Fields of Application – by processes



- ✓ Metrology for e.g. receiving inspection tests or samples



- ✓ Quality Control in development processes



- ✓ Statistical Process Control with a lot of variants, individual processes and measuring plans

#2

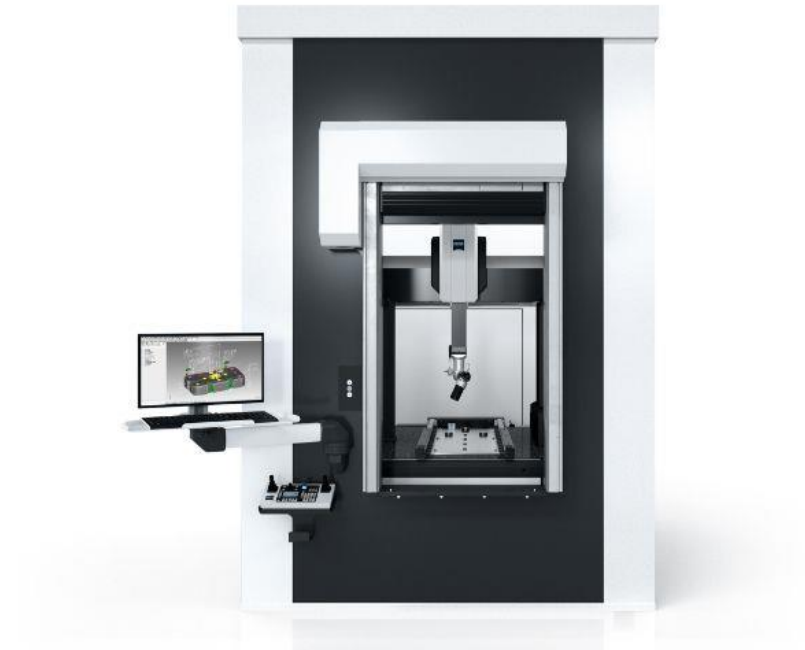
ZEISS Integration Series –
Operating
Products

ZEISS Integration Series Operating

The products



GageStation



ThermoStation

#3

ZEISS Integration Series –
Operating
GageStation

ZEISS Integration Series Operating - Products

GageStation



WHAT?

- Enclosure for protection from environmental influences
- PiWeb Software for centralized data handling and digital reporting
- Measuring in a station with a minimum footprint
- CMM enclosure can be installed left or right
- Easy handling via touch monitors

WHY choose ZEISS?

- Easy connection to different measuring equipment (also non-ZEISS manufacturer)
- wireless connection of handgages to PiWeb
- Ready-to-go: pre-built measurement report templates
- One PiWeb measuring report with results of all measuring (for example CMM and hand gauges)- Combination of measuring data independent from the type of measurement device
- Improvement of efficiency and digitalization of usual SPC-workplaces
- Avoidance of operator failures

HOW?

- ZEISS Integration Series Operating
 - GageStation
- ZEISS CMM
- ZEISS PiWeb reporting plus



ZEISS Integration Series Operating - Products

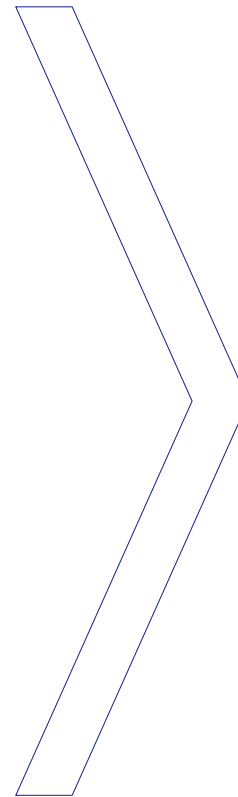
GageStation – CMM compatibilities



DuraMax 5/5/5 and DuraMax 5/5/5 HTG



O-INSPECT 3/2/2, O-INSPECT 5/4/3 and O-DETECT



ZEISS Integration Series Operating - Products

GageStation



CMM enclosure

Suitable for DuraMax 5/5/5 (HTG) / O-INSPECT 322 / O-INSPECT 543 / O-DETECT

Integrated illumination

Enclosure with desk

CALYPSO Software components

23 inch touch monitors with PiWeb application and ZEISS CALYPSO

CMM

Handgauge workplace

Duplex system

Opt. equipment: FixAssist, Handysurf, ...



**maximum scope of delivery shown*

ZEISS Integration Series Operating - Products

GageStation – Software Components

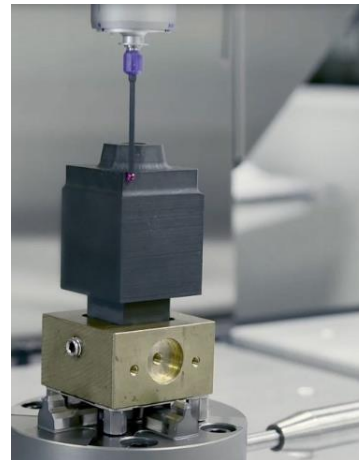


Universal ZEISS metrology software provide the basis – ZEISS CALYPSO

- ✓ ZEISS CALYPSO enables a consistency and compatibility across most ZEISS CMMs like for example DuraMax or O-INSPECT.
- ✓ ZEISS CALYPSO express has a simple programming environment to make entry into the world of optical metrology as easy as possible such as ZEISS O-DETECT.

For EDM workpieces optional available ZEISS CALYPSO preset

- ✓ Determine the offset of electrodes and workpieces on a CMM
- ✓ Gain higher efficiency by not blocking an EDM machine with measurement tasks
- ✓ Using an EDM fixture system for presetting



How you benefit

- ✓ Cost saving because of fewer training hours for software.
- ✓ More efficient operation thanks to a familiar user interface.
- ✓ One report instead of dozens
- ✓ Improves your quality control from day one

ZEISS Integration Series Operating - Products

GageStation – Software Components



PiWeb - Transform different types of measurement data into meaningful results

WHAT?

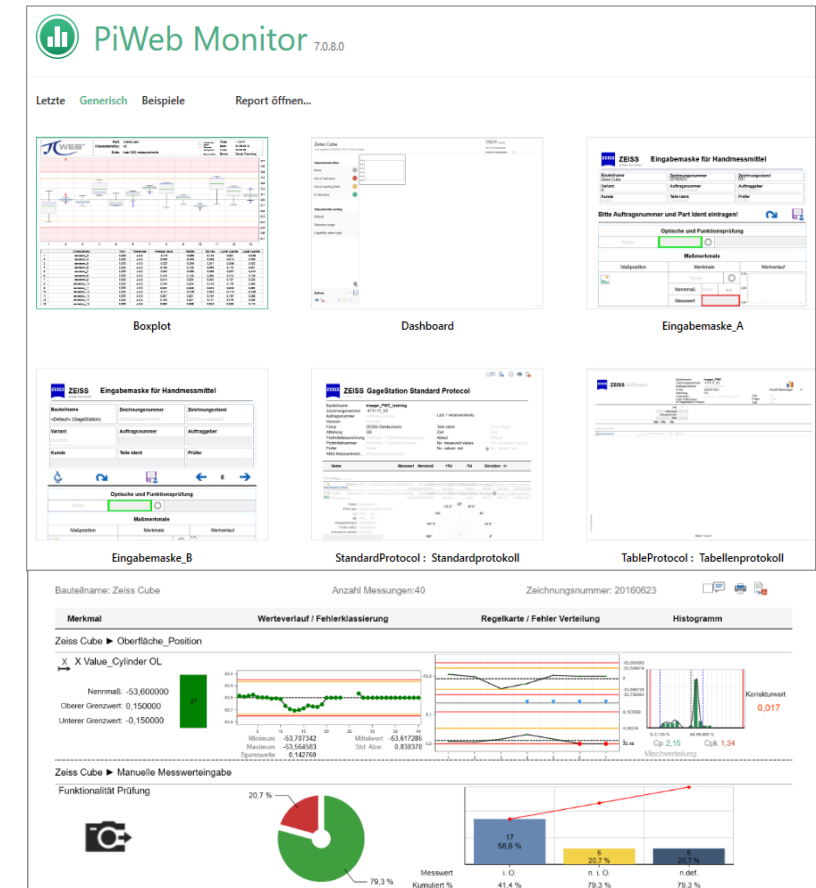
- With ZEISS PiWeb different measuring results from different measurement devices can be analyzed in one report

WHY choose ZEISS?

- Ready to go: pre-built measurement report templates
- Do not have different reports for one workpiece anymore
- Avoid operator errors for example transposed digits

HOW

- ZEISS PiWeb Reporting plus
- Upgrade to PiWeb sbs possible
- ZEISS Prebuilt measuring report templates
- ZEISS Prebuilt Statistical report templates



#4

ZEISS Integration Series –
Operating

ThermoStation

ZEISS Integration Series Operating - Products

ThermoStation



WHAT?

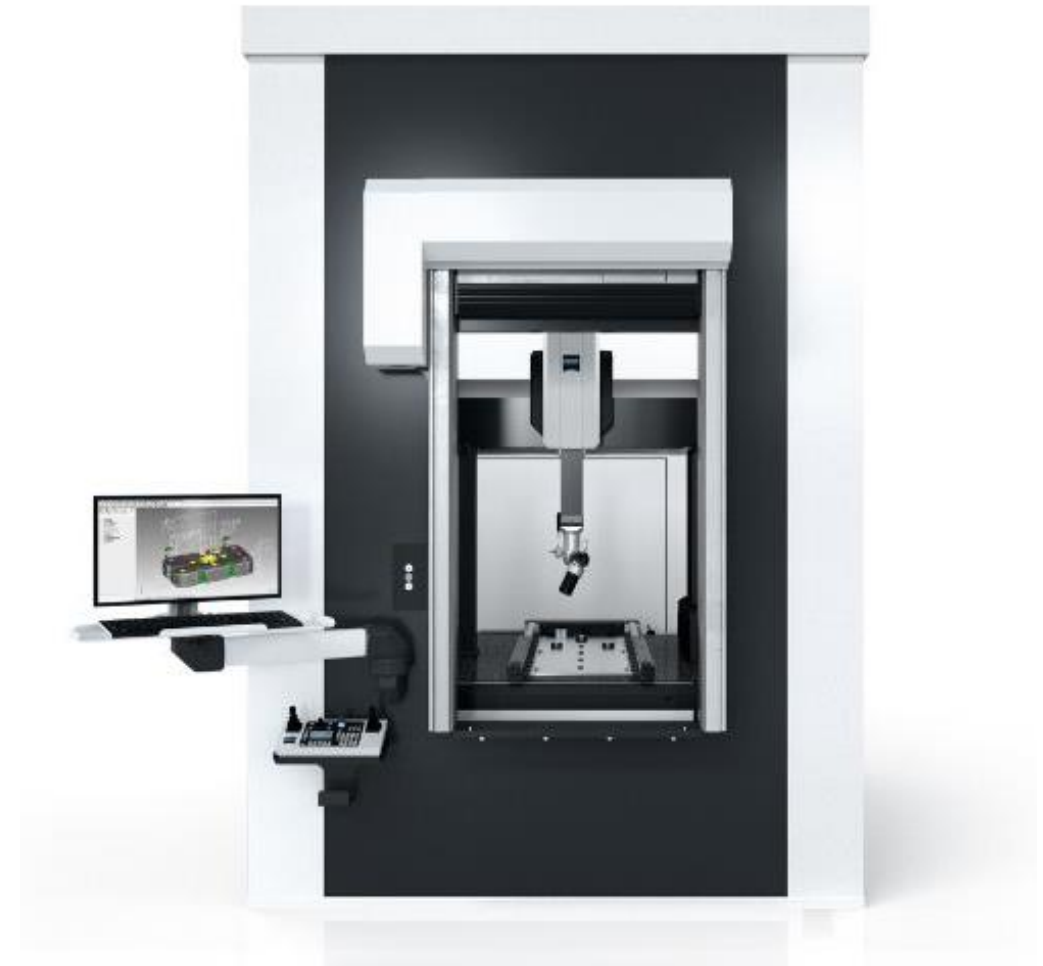
- Climate enclosure for protecting the CMM from environmental influences
- Measuring in a station with minimum footprint direct in the shopfloor
- Automated vertical window for loading the part on the CMM
- minimum footprint compared to measuring room

WHY choose ZEISS?

- Precise measuring results even under high temperature gradients and rough environment conditions
- Fast and direct measurements where production is located
- Short distances and quick results from CMM
- Compatibility to ZEISS Integration Series – Loading ensures maximum flexibility
- Smart positioning of doors for direct access to the CMM (e.g. service, ...)

HOW?

- **ZEISS Integration Series Loading**
 - All Loading Systems can be combined with the station
- **ZEISS Integration Series Operational**
 - ThermoStation
- **ZEISS Integration Series Automating**
 - FACS
- ZEISS CONTURA

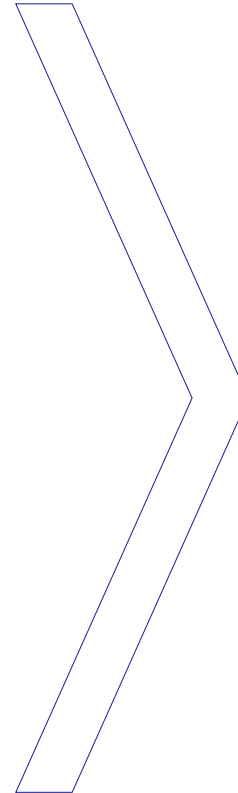


ZEISS Integration Series Operating - Products

ThermoStation – CMM compatibility



CONTURA 7/7/6, CONTURA 7/10/6 *



i

Precision of CONTURA 7/7/6 or 7/10/6 in ThermoStation

at 20°C: $1,8 + L/300$
at 30°C: $2,4 + L/300$
at 40°C: $2,9 + L/300$

Per hour: 10 K
Per day: independent
Spatial: 10 K

*Option HTG and Option SiPos mandatory,
Other CMM (ACCURA, PRISMO, CONTURA) on project basis

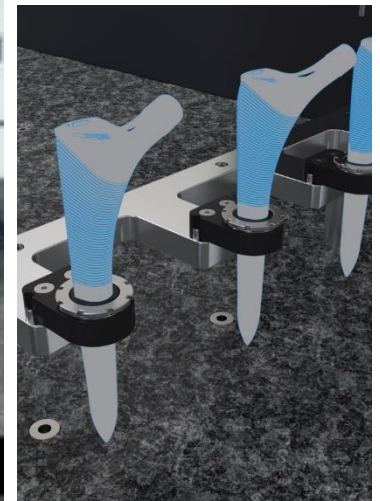
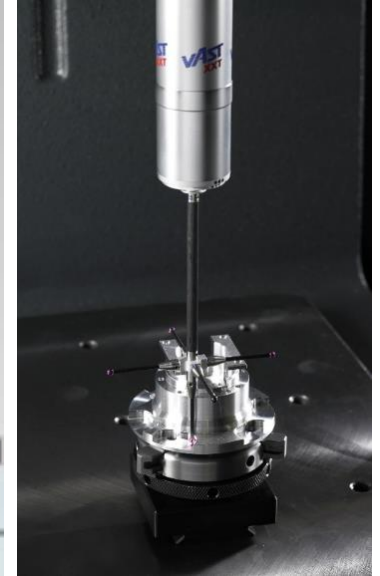
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ThermoStation – Optional Additions



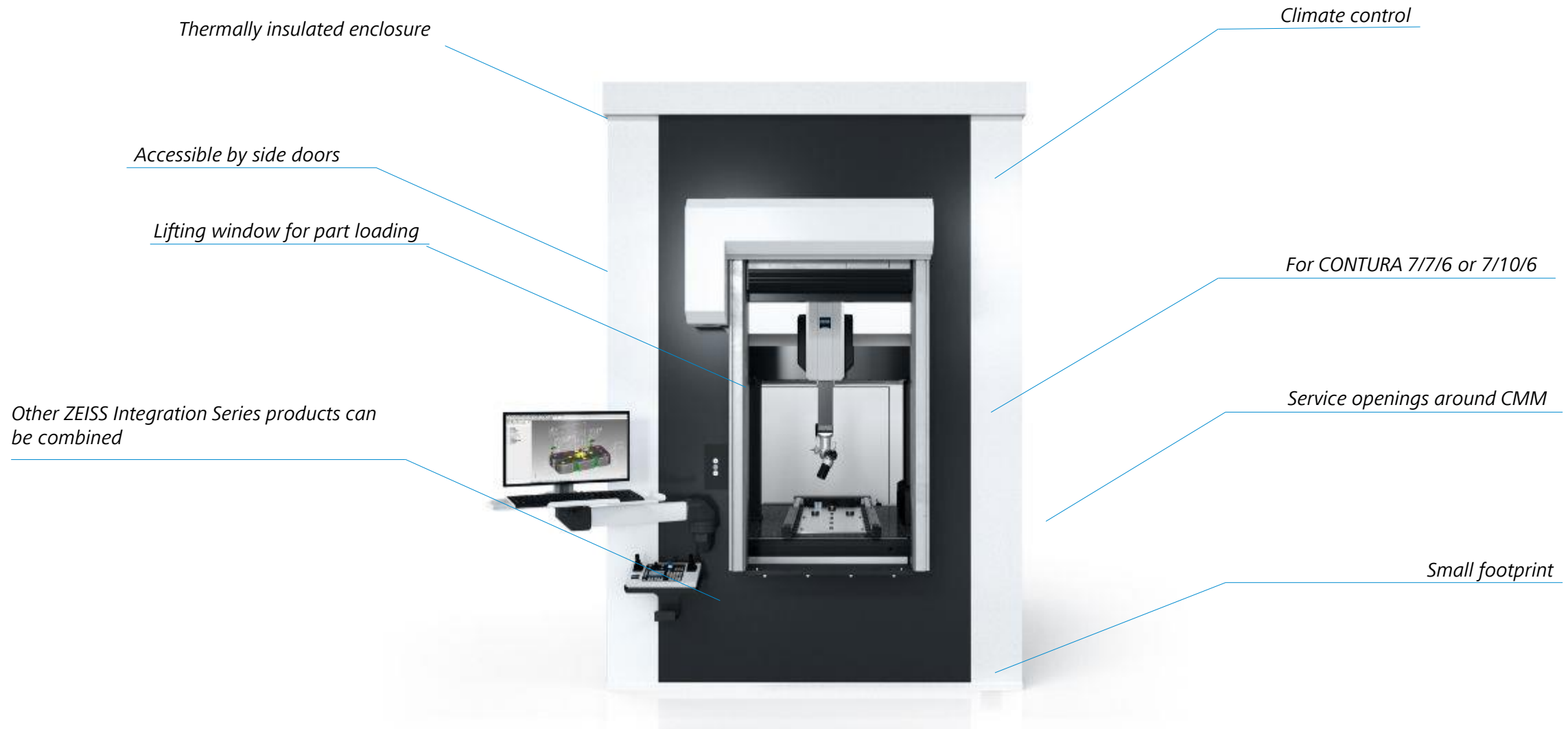
Individualize your solution with further ZEISS equipment

- ✓ Loading System
- ✓ Fixture
- ✓ Probe rack
- ✓ Sensors
- ✓ Styli
- ✓ ZEISS TEMPOR



ZEISS Integration Series Operating - Products

ThermoStation





Seeing beyond