

... from development to
implementation



Production of materials testing equipment and automation

LABORTECH machines designed for testing, inspection and adjustment of automotive clutches

Made in Czech republic

... from development to
implementation

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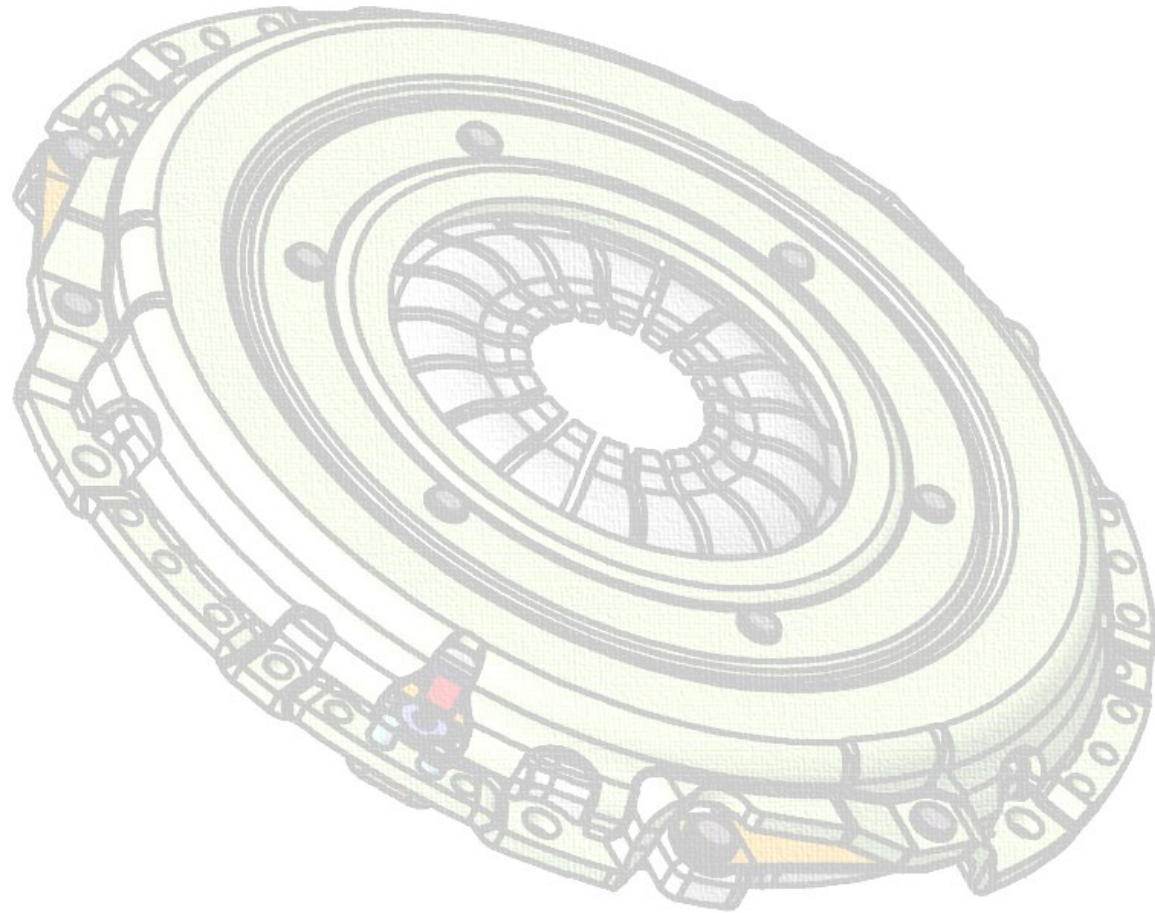
Production of materials testing
equipment and automation

Machines
for testing
automobile clutch



Every small detail matters

Testing, inspection and adjustment of automobile clutch



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Production of materials testing
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Machines

for testing and
adjustment of
automobile clutch



Every small detail matters

Clutch testing and adjustment machine

SEMI-AUTOMATIC OPERATION - EDHTest 5.2022

Basic properties

Testing of mechanical properties of PKW clutches
PKW clutch type XTD

Application - test room or manual operation

Manual insertion of the clutches into the machine

Max. test force 20kN - tensing, pressing

Max. test speed 300 mm / sec

Takt time <18 sec - PKW clutch measurement

Takt time <45 sec - setting of PKW clutch XTD

20-channel measurement of clutch parameters

Force measuring system in accordance with EN 7500-1

Possibility of extension by DATAMATRIX

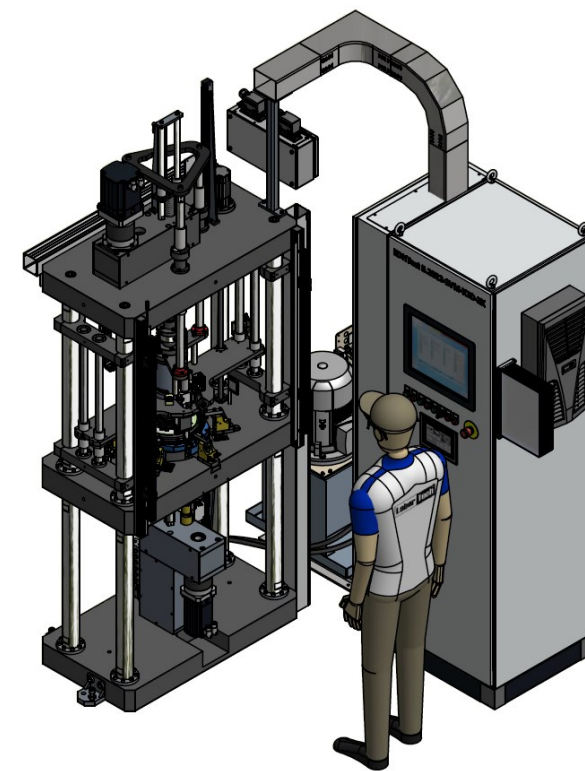
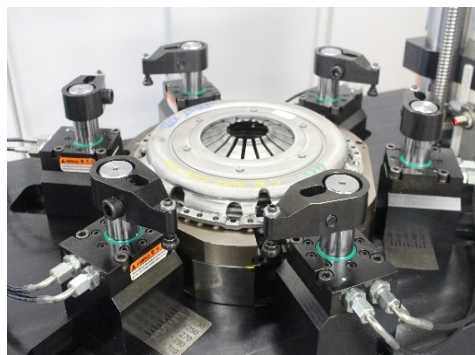
Operation via touch LCD monitors

EDH / XTend software v.4

Measuring stroke and throwing thumbs

Measurement of tension and pressing force, including
flatness, etc.

Work charts, list of tests in a file, corrections, etc.



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Machines

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Every small detail matters

Clutch testing and adjustment machine

AUTOMATIC OPERATION in line - EDHTest 5.2021

Basic properties

Testing of mechanical properties of PKW clutches

PKW clutches type XTD

Application - **ASSEMBLY AND TESTING LINE**

Inserting the clutch on the carousel - **ROBOT**

Max. test force 20kN - tensing, pressing

Max. test speed 300 mm / sec

Takt time < **12 sec** - PKW clutch measurement

Takt time < **28 sec** - setting of PKW clutch XTD

20-channel measurement of clutch parameters

Force measuring system in accordance with EN 7500-1

Possibility of extension by DATAMATRIX

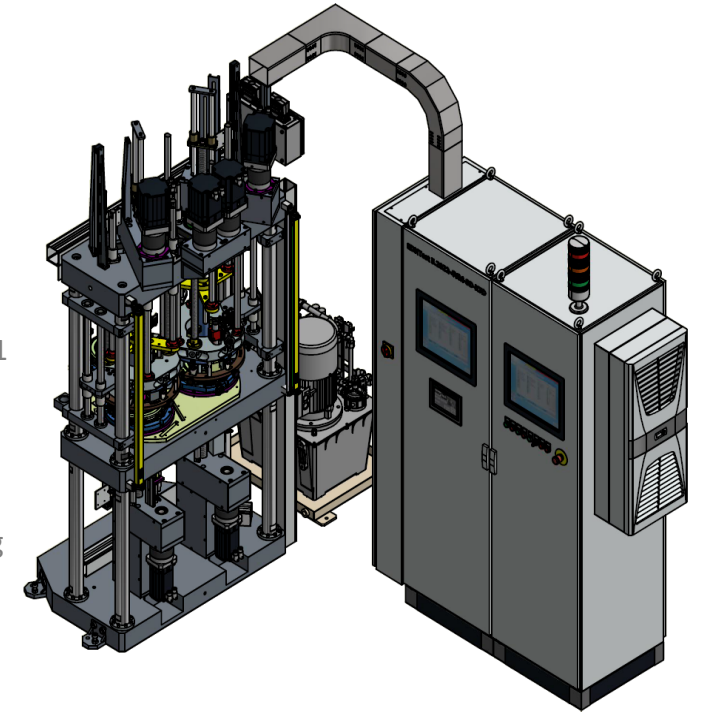
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Clutch testing and adjustment machine

AUTOMATIC OPERATION in line - EDHTest 6.2022

Basic properties

Testing of mechanical properties of PKW clutches
Double adjustment and measurement of the XTD type
clutch

Application - **ASSEMBLY AND TESTING LINE**
Inserting the clutch on the carousel - **ROBOT**

Max. test force 20kN - tripping, pressing

Max. test speed 300 mm / sec

Takt time <9 sec - PKW clutch measurement

Takt time <19 sec - setting of PKW clutch XTD

20-channel measurement of clutch parameters

Force measuring system in accordance with EN 7500-1

Possibility of extension by DATAMATRIX

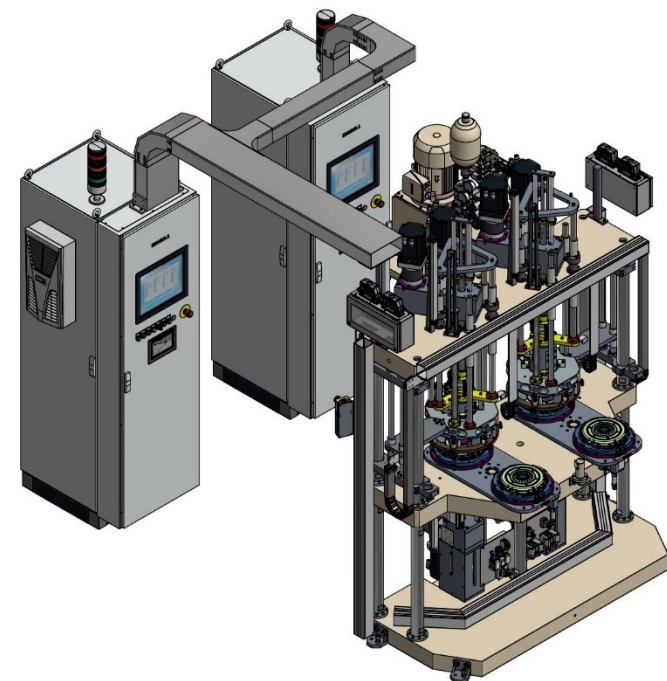
Operation via touch LCD monitors

EDH / XTend software v.4

Measuring stroke and throwing thumbs

Measurement of breaking and pressing force, including
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Work charts, list of tests in a file, corrections, etc.



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Production of materials testing equipment and automation

Software for measuring and adjusting couplings



Every small detail matters

Test software EDH/XTend for testing couplings for assembly lines and laboratories

Basic properties

Software for testing the mechanical properties of PKW clutches in lines and laboratories

EDH / XTend v.4 software includes:

The main window of the program with the possibility of switching between test graphs and measured results

Online color evaluation of good and bad results

Test definition - basic settings, tension and pressing forces, measuring inches, XTend, etc.

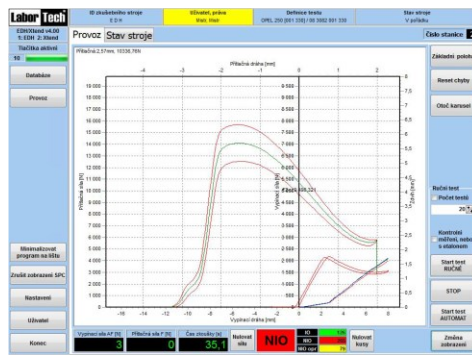
+ A - tolerance settings for all parameters

Measured data - archiving, export, filtering and transfer of measured data to networks

Calibration and correction according to the test standard

Machine settings - control console, service console, error message, Log, etc.

Communication from external peripherals - datamatrix, lines, robot, balancing machine LABORTECH, identification of NIO connectors, etc.



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