



Leica DCM8 microscope

3D optical surface metrology system



Combines multi-spectral imaging and confocal microscopy to image and measure material surfaces, map topography, and analyse surface roughness. Fully digital microscope with objectives from 1.25X to 150X.

Owner institution: InnoRenew CoE

Location: Kettejeva 1, Koper

Contact: Matthew Schwarzkopf





Leica TIC3X ion beam milling system

Surface preparation of materials for microscopy



Creates near-perfect surfaces of materials for microscopy using accelerated argon ions. Capable of cross-cuts (4 mm x 1 mm) and surface milling of 25 mm² areas. Includes a cooling stage for heat sensitive materials.

Owner institution: InnoRenew CoE

Location: Kettejeva 1, Koper

Contact: Matthew Schwarzkopf





Leica EM TXP target surfacing system

Surface preparation of materials for microscopy



Mechanical surface preparation device for microscopy. Uses grinding, cutting, and polishing fixtures to prepare mirror like surfaces of a variety of materials.

Owner institution: InnoRenew CoE

Location: Kettejeva 1, Koper

Contact: Matthew Schwarzkopf





Agilent 6500 LC/MS Q-TOF system

Liquid chromatograph / mass spectrometer with quadrupole time of flight



Used for the detection of biochemical and organic compounds in complex samples of environmental and biological origin. The double mass spectrometry detectors (quadrupole and TOF) allow to gain more structural information on your analyte based on the fragmentation pattern.

Owner institution: InnoRenew CoE

Location: Glagoljaška ulica 8, Koper

Contact: Kelly Peeters

Kelly.peeters@innorenew.eu





Agilent 5977B GC/MSD

Gas chromatograph / mass spectrometer



Used for the measurement of organic compounds in solid, liquid and gas phase samples.

Includes liquid sample, headspace, solid phase micro extraction, thermal desorption, pyrolysis and cooled injection introduction systems, and micro chamber.

Owner institution: InnoRenew CoE

Location: Glagoljaška ulica 8, Koper

Contact: Kelly Peeters

Kelly.peeters@innorenew.eu





Nabertherm RSRC 120-1000/13 Tube Furnace

Used for carbonization of materials



Equipped with gas system to incorporate CO2 and N2. Capable of batch and continuous processing with adjustable speed and tilting.

Processing temperatures up to 1200C. Three-zone control for heating.

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Dave DeVallance

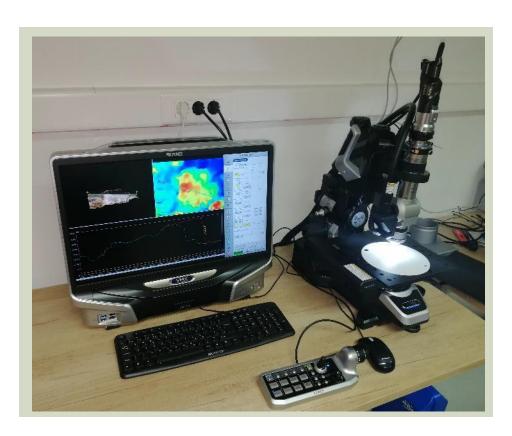
devallance@innorenew.eu





Keyence VHX-6000 digital microscope

View, capture and measure diverse objects



Multifunctional device for macro/microscopic characterization of materials, assuring large depth-of-field, capturing fully focused images at magnification from 0.5x to 5000x, inspecting objects from any angle, capable of advanced 2D and 3D measurements directly on the image.

Owner institution: InnoRenew CoE

Location: Glagoljaška 8, Koper

Contact: Jakub Sandak





MPA II Bruker Optics Spectrometer

FT-NIR Multi Purpose Analyzer



A fast and precise tool for the non-destructive analysis of liquid, solid and semi-solid materials. Equipped with fibre optic, integration sphere and transmission sample compartment for vials, operates in the range 11500-4000cm⁻¹. The OPUS software allows data acquisition, processing, and evaluation.

Owner institution: InnoRenew CoE

Location: Glagoljaška 8, Koper

Contact: Anna Sandak

anna.sandak@innorenew.eu





VIAVI MicroNIR™ OnSite-W Spectrometer

wireless NIR spectrometer designed for rapid, handheld material analysis



The smallest fully-integrated NIR spectrometer based on linear variable filter (LVF) technology. With no moving parts and IP65/IP67 dust/water ingress rating, it is designed for a wide range of material characterization applications. The system includes the VIAVI MicroNIR Pro software suite.

Owner institution: InnoRenew CoE

Location: Glagoljaška 8, Koper

Contact: Anna Sandak

anna.sandak@innorenew.eu





VIAVI MicroNIR™ PAT–W Spectrometer

A fit-for-purpose NIR analyzer for quality-by-design (QbD) manufacturing



A system for real-time process monitoring in PAT applications. It has no moving components enabling superior instrument stability and performance in harsh process environments (IP67 standards). The system includes the VIAVI MicroNIR Pro software.

Owner institution: InnoRenew CoE

Location: Glagoljaška 8, Koper

Contact: Anna Sandak

anna.sandak@innorenew.eu





SCM Si5 Linvincibile

Large format sliding table circular saw



Wood working machine suitable for complex sample preparation and experimentations regarding machinability of materials and process/surface quality

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





SCM SC2c

Small format sliding table circular saw



Wood working machine suitable for complex sample preparation and experimentations regarding machinability of materials and process/surface quality

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





SCM F520 CLASS

Planner (joiner)



Wood working machine suitable for complex sample preparation and experimentations regarding machinability of materials and process/surface quality

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





SCM S630 CLASS

Thicknesser



Wood working machine suitable for complex sample preparation and experimentations regarding machinability of materials and process/surface quality

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





SCM S600p

Bandsaw



Wood working machine suitable for complex sample preparation and experimentations regarding machinability of materials and process/surface quality

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





VOLPATO LBK150

Edge sander



Wood working machine suitable for complex sample preparation and experimentations regarding machinability of materials and process/surface quality

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





SCM TI 105 NOVA

Spindle-moulder



Wood working machine suitable for complex sample preparation and experimentations regarding machinability of materials and process/surface quality

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





SCM SD 60 RCS (1100mm)

Wide-belt sander



Wood working machine suitable for complex sample preparation and experimentations regarding machinability of materials and process/surface quality

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





JET 16-32 Plus

Mini wide-belt sander



Wood working machine suitable for complex sample preparation and experimentations regarding machinability of materials and process/surface quality

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





SCM T124

Wood lathe



Wood working machine suitable for complex sample preparation and experimentations regarding machinability of materials and process/surface quality

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





SCM AS16

Horizontal mortiser



Wood working machine suitable for complex sample preparation and experimentations regarding machinability of materials and process/surface quality

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





HÖCKER POLYTECHNIK Vacumobile VT250

Dust exhaustion system



Vacuum system for aspiration of dust produced during woodworking operations, equipped with frequency inverter, pressure control unit and fire extinguisher

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





ACword FT400

Mobile dust exhaustion system



Vacuum system for aspiration of dust produced during woodworking operations

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





ACword FT302

Mobile dust exhaustion system



Vacuum system for aspiration of dust produced during woodworking operations

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





SCM ECO 300S

Mobile dust exhaustion system



Vacuum system for aspiration of dust produced during woodworking operations

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





ELMAG Superturn 700/140 - Vario

Universal turner/router for metal



Metal working machine for turning, milling and drilling operations performed on the metal parts used in prototypes

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





Work benches

Working tables



Three working tables assisting material processing and assembly

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak





Biopac Systems, Inc Psychophysiological assessment kit

Detect and assess psychophysiological responses



Signals assessed from:

EEG (Wired + Wireless)

EDA (Wired + Wireless)

ECG (Wired + Wireless)

PPG (Wired + Wireless)

HD Blood pressure (Wired)

Owner institution: InnoRenew CoE

Location: Dijaški Dom, Koper

Contact: Mike Burnard

mike.burnard@innorenew.eu





PAL Technologies activPal4 micro

Monitor and assess human activity over long periods of time



7 monitors

Attach to a person for up to 7 days Detect sitting, lying, standing, stepping, and other activities.

Owner institution: InnoRenew CoE

Location: Dijaški Dom, Koper

Contact: Mike Burnard

mike.burnard@innorenew.eu





Dynamic Vapour Sorption (DVS – Surface Measurement Systems)

Analyse moisture absorbed by a sample



The DVS is used for measuring the sorption properties of materials.

Temperature stability: ±0.02 °C

RH stability: $\pm 0.1\%$

Mass change resolution: $0.1\mu g$

Root mean square noise:

 $0.3\mu g$

Owner institution: InnoRenew CoE

Location: Glagoljaška 8, Koper

Contact: Matthew Schwarzkopf





Centrifuge (Universal 320 R, Hettich)

Sample separation / preparation



Temperature controlled
Inserts for multiple size sample
containers

Owner institution: InnoRenew CoE

Location: Glagoljaška 8, Koper

Contact: Mike Burnard

mike.burnard@innorenew.eu





Laboratory incubation shaker (IS-OS 20, Phoenix Instruments)

Sample preparation/mixing



Temperature controlled (+5 - 60 C)20mm amplitude

Owner institution: InnoRenew CoE

Location: Glagoljaška 8, Koper

Contact: Mike Burnard

mike.burnard@innorenew.eu





Ultrasonic waterbath (S 30 H Elmasonic - Elma)

Sample preparation, cleaning



Used to clean samples or small laboratory equipment

Owner institution: InnoRenew CoE

Location: Glagoljaška 8, Koper

Contact: Matthew Schwarzkopf





3D printer (Ultimaker 3)

3D printer for prototyping and polymer blend testing



215 x 215 x 200 mm print size20 micron layer depthNozzle temperature up to 280 C

Owner institution: InnoRenew CoE

Location: Kettejeva 1, Koper

Contact: Matthew Schwarzkopf





Zwick/Roell UTM

Mechanical testing of materials



100 kN capacity universal testing machine. Includes fixtures for 3-point and 4-point bending, shear block, tension, and compression tests. Features a programmable environmental chamber for temperature and humidity control during testing; -40C to 200C and 10% to 85% RH

Owner institution: InnoRenew CoE

Location: Kettejeva 1, Koper

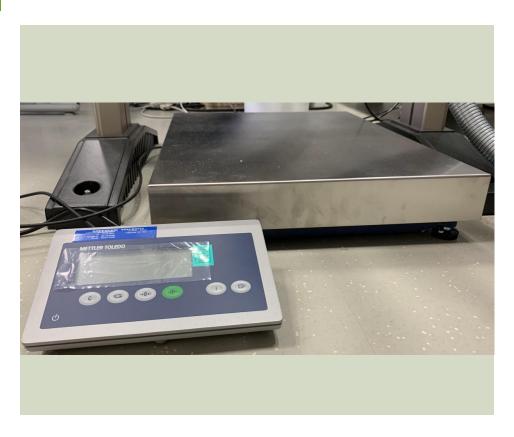
Contact: Matthew Schwarzkopf





300 kg scale (Mettler Toledo)

Scale for weighing heavy objects



Digital readout

Capacity to 300 kg

Precision: 0.1 kg

Owner institution: InnoRenew CoE

Location: Kettejeva 1, Koper

Contact: Matthew Schwarzkopf





10 kg scale (Mettler Toledo)

Scale for weighing objects



Digital readout

Capacity to 10 kg

Precision: 0.1 g

Owner institution: InnoRenew CoE

Location: Kettejeva 1, Koper

Contact: Matthew Schwarzkopf





300 g scale (Mettler Toledo)

Scale for weighing objects



Digital readout

Capacity to 300 g

Precision: 0.001 g

Owner institution: InnoRenew CoE

Location: Glagoljaška 8, Koper

Contact: Matthew Schwarzkopf





Minor items

Refrigerator, Freezer,
 network switch, fireproof
 chemical storage cabinets,
 laptops, monitors, storage
 servers, multipurpose
 server

Software

NI LabView





Acoustic camera

Acoustic camera combines visual information from a video camera with the information about the directionality of sound waves.



The acoustic camera enables sound source localization and sound intensity measurements using acoustic holography and beamforming.

The measurement set is composed of a larger (60 microphones, 70 cm diameter) and smaller (30 microphones, 40 cm diameter) array, a data acquisition system, a personal computer and a tablet.

Owner institution: InnoRenew CoE

Location: Koper

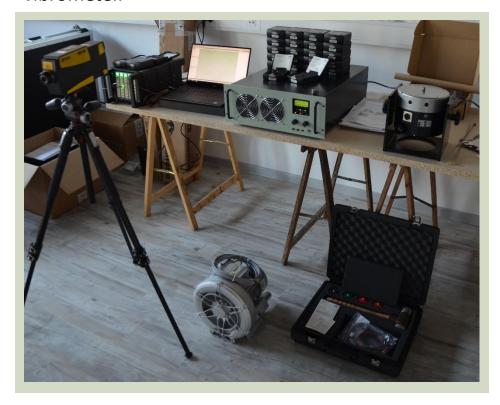
Contact: Rok Prislan





Structural dynamics measurement system

The measurement system is based on exciting a rigid structure under study by a sledge hammer or modal shaker and acquiring its dynamic response by 21 piezoelectric accelerometers or a laser vibrometer.



Vibrations are analyzed in time and frequency domain, transfer functions and natural frequencies of the structure are determined, modal and operational modal analysis are performed, modal shapes are visualized.

Owner institution: InnoRenew CoE

Location: Koper

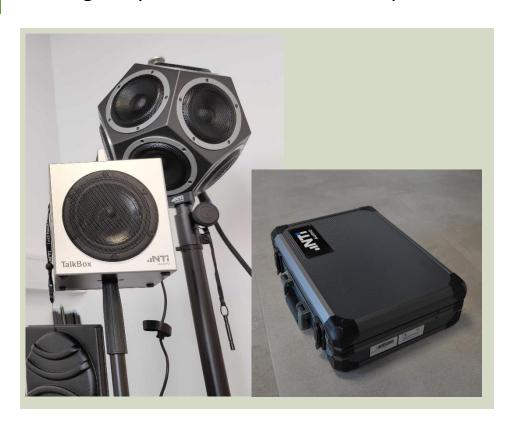
Contact: Rok Prislan





Building and arhitectural acoustic measurement set

For field measurements of sound pressure level, reverberation time, speech intelligibility, sound insulation and impact noise levels.



The measurement set is composed of a hand held class 1 sound level meter and analyzer, dodecahedron loudspeaker, sound source for speech intelligibility measurements and a tapping machine.

Owner institution: InnoRenew CoE

Location: Koper

Contact: Rok Prislan





Impedance tube

With impedance tube measurements it is possible to determine the acoustic impedance, sound absorption coefficient and transmission loss of circular samples of materials.



Using tubes of different diameters measurements are performed in the 50 Hz to 6 kHz frequency range.

The measurement set includes a loudspeaker with amplifier, tubes of different diameters, four dedicated microphones and a computer acquisition system.

Owner institution: InnoRenew CoE

Location: Koper

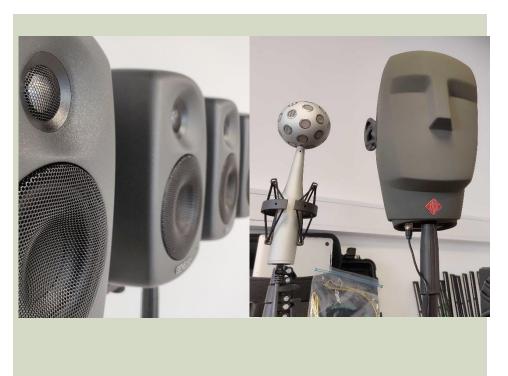
Contact: Rok Prislan





Binaural and higher order ambisonics (HOA) system

For recording and reproducing acoustic environments that used for various types of psychoacoustic experiments.



The equipment includes a 32 channel HOA microphone, a 64/96 channel HOA reproduction system (Genelec 8020D, Genelec 7380A) and an artificial head (Neuman KU100), a set of head mounted binaural microphones (DPA 6060) and 8 over-ear headphones, MADI based computer interfaces cables and stands.

Owner institution: InnoRenew CoE

Location: Koper

Contact: Rok Prislan





Licenses

For room acoustic modeling, measurements and analysis.

Five licenses:

- ACOUSTICS MODULE FOR COMSOL
- ODEON Auditorium
- AFMG EASE STANDARD + AURA MODULE + EARS MODULE
- AFMG SOUNDFLOW PRO
- AFMG EASERA + POLARIS MODULE

Owner institution: InnoRenew CoE

Location: Koper

Contact: Rok Prislan





Thermal camera

Thermal camera FLIR T 1020 with a set of three lenses and a high-speed video interface



For monitoring and assessment of buildings, equipment and other experimental work where temperature is relevant:

- Resolution 1024 x 768
- Video up to 240 FPS
- Lenses: 45°, 28° and 12°
- Temperature Range -40° C to 2000° C
- Thermal Sensitivity <20 mK @ 30° C

Owner institution: InnoRenew CoE

Location: Glagoljaška ulica 8, Koper

Contact: Iztok Šušteršič

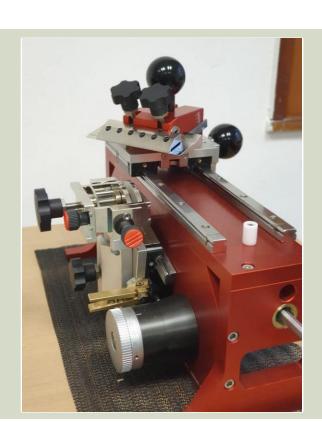
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Microtome

Microtome for preparation of hard wooden tissues for microscopy



Mechanic microtome designed for cutting hard and soft wood species equipped with multiple blades and holding bodies:

- Removal blade holder,
- Three core holder; 2, 5, 10 mm

Owner institution: InnoRenew CoE

Location: Kettejeva 1, Koper

Contact: Matthew Schwarzkopf





Planetary mill

Planetary PULVERISETTE 5 ball mill for wet and dry particle grinding



For fine wet and dry grinding for mixing and homogenizing of emulsions and pastes and dry materials using four working stations.

- 100 steel balls (size = 50 mm),
- Capacity up to 4 x 225 ml
- Wireless PC connection for temperature and pressure data.
- Manual speed and time control

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Matthew Schwarzkopf





Grinders

PULVERISETTE 25/19 - Cutting Mill grinders



Grinder is equipped with two grinding stations for continues and batch grinding

- Maximum feed size 120 x 85 mm,
- High-performance Cyclone separator,
- Sample feeder / divider,
- Defined final fineness due to interchangeable sieve cassettes 0.2 – 6 mm
- Manual cutting rotor and sieve cassette replacement

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Matthew Schwarzkopf





Cross Sectioning Holder Kit

Holder kit for Leica TIC3X ion beam milling system



 Sample holder with wider ange rotation for solid sample surface preparation

Owner institution: InnoRenew CoE

Location: Kettejeva 1, Koper

Contact: Matthew Schwarzkopf





Precision LCR

Bench LCR Meters Model 895



LCR meters capable of measuring inductance, capacitance, and resistance of components and materials at DC

- From 20 Hz to 500 kHz or 1 MHz respectively,
- Flexible AC and DC test signal configuration

Owner institution: InnoRenew CoE

Location: Kettejeva 1, Koper

Contact: Dave DeVallance

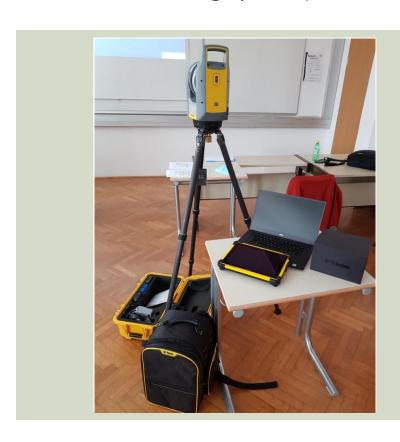
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3D laser scanner

Trimble X7 Scanning System (scanner, tripod, tablet, laptop and software)



For 3D scanning of buildings, spaces, infrastructure, excavations etc.:

- Range 0.60 80 m
- Scan speed up to 500,000 points/s
- Range noise at 30 m: < 2.5 mm
- 3D point accuracy at 20 m: 3.5 mm
- Scanner unit weight: 5.8 kg
- In-field registration, autocalibration
- Operating temperature: -20° to +40° C
- Resistance class: IP55

Owner institution: InnoRenew CoE

Location: Glagoljaška ulica 8, Koper

Contact: Iztok Šušteršič

Iztok.sustersic@innorenew.eu





LECO TGA801

Thermogravimetric Analyzer



Moisture, Ash, Volatile Content, And Loss-On-Ignition

- Automated thermogravimetric analysis batch of up to 19 samples
- Determines multiple constituents such as moisture/ash, volatile content.

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Dave DeVallance

devallance @innorenew.eu





FlashSmart™ Elemental Analyzer

Elementar Analyzer



Carbon, hydrogen, nitrogen, sulfur and oxygen (CHNS/O) analyses.

- Simple design and usability
- Improved CHNS/O workflow analysis
- Higher sample throughput
- Higher modularity
- Dedicated features
- Autosampling

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Dave DeVallance

devallance @innorenew.eu





Thermo Scientific™ HAAKE™ Rheomex PTW 16 OS Twin-Screw Extruder

Continuous compounding with twin-screw extruders



- Compounding of polymers with additives, reinforcing fibres and fillers.
- Balance weights based feed-dosing of different additives (liquid or solid) along the extruder barrel.
- Specially designed screws with differing geometries.
- Software monitor support.
- Compatibility with take off units: single screw extruder, cooling bath, mixing, hauloff system, pelletizer and more...

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Matthew Schwarzkopf





Thermo Scientific™ Injection molder

MiniJet Pro Piston Injection Molding System



Inline rapid sample production for material characterization in molds.

- Simple loading of powders and pellets in system cylinder.
- Temperature time and pressure control for and during injection
- Interchangeable molds: specimen geometries offered from standard to unique, customized molds.
- Compatible with HAAKE™ Rheomex PTW 16 for inline filament capture.

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Matthew Schwarzkopf





Pressure - Vacuum impregnation vessel chamber

VP-420 preassure - vacuum impregnation chamber from Kambič



Pressure impregnation chamber for wood and biomass

- Heating volume up to 99 °C.
- Low vacuum.
- Above pressure up to 10 bar.
- Manually and automatically controlled
- PC software monitoring

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Dave DeVallance

devallance @innorenew.eu





Long stroke shaker

APS 400 ELECTRO-SEIS [®] Long Stroke Shaker with Linear Ball Bearings



Portable shaker, (with accessories) for dynamic excitation of structures:

- For determining natural mode frequencies, shapes and damping ratios.
- Sine, random or shock excitation.
- Max. force 445 N
- Max. velocity 1 m/s
- Peak stroke 158 mm
- Frequency range ≤ 200 Hz

Owner institution: InnoRenew CoE

Location: Ulica 15 maja 6, Koper

Contact: Iztok Šušteršič

Iztok.sustersic@innorenew.eu





RPS40 Plus plasma unit

Automatic Diffuse Coplanar Surface Barrier Discharge (DSCBD) plasma unit



Fully automatic plasma unit capable of being integrated into any manufacturing process. It works for activation and cleaning of wood, glass, plastics, semiconductors, metals and other surfaces.

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: René Alexander Herrera Díaz

rene.herdiaz@innorenew.eu





Optical Tensiometer Attention Theta Flex Auto 4

Contact angle meter equipped with 3D Topography Module



Designed for reliable and repeatable measurements of wettability and adhesion. Possibility to measure: static and dynamic contact angle, roll-off angle, surface free energy, surface tension, interfacial tension, batch contact angle and roughness corrected contact angle.

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Oihana Gordobil

oihana.gordobil@innorenew.eu





Standard climatic chamber KK-50 CH

Climatic chamber with temperature and relative humidity control



50l volume climatic chamber operating in the range + 5° C to 180° C, and relative humidity range: 10-98%. Suitable for material temperature & RH resistance and product testing, sample conditioning, accelerated ageing and stress tests.

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak

jakub.sandak@innorenew.eu





Low temperature climatic chamber KK-1000 CHLT

Climatic chamber with temperature and relative humidity control



1000l volume climatic chamber operating in the range -40° C to 180° C, and relative humidity range: 10-98%. Suitable for material temperature & RH resistance and product testing, sample conditioning, accelerated ageing and stress tests.

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Jakub Sandak

jakub.sandak@innorenew.eu





Multi-Function Device for Built Environment

Different noise dosimeter measurements from Ahlborn, B&K and Almemo



- Luminance Probe Head FLA 603 LDM2(luminance measuring head)
- Light Flux Probe Head FLA 603 LSM4 (light flux measurement)
- Digital sensor for temperature, humidity and atmospheric pressure FHAD 46-Cx
- Radiation probe FLA 623 x (probes for various spectral ranges)
- Digital thermo-anemometer omnidirectional FVAD 05-TOKx (air flow measurements)
- Comfort Index Measurement (measuring termal comfort and air-conditioning)
- Sound level meter B&K 2245 (measuring sound level parameters)
- Personal Noise Dose Meter 4448 (nosie exposure measurements)
- Data Logger ALMEMO 2690-8A (connection for sensors)

Owner institution: InnoRenew CoE

Location: UP FVZ, Polje 42, 6310 Izola

Contact: Nejc Šarabon

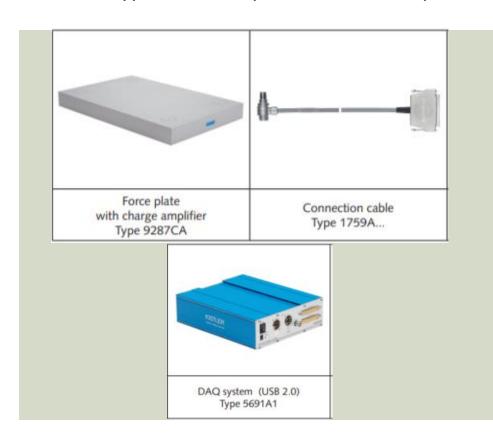
nejc.sarabon@innorenew.eu





3D Piezoelectric Force Plate

KISTLER Type 9287C, 2 pcs 900x600 mm plates



Multicomponent force plate with wide range for measuring ground reaction forces, moments and the center of pressure in biomechanics. Its large size, wide measuring range and high rigidity allow it to be employed for a very wide spectrum of measuring tasks and application sectors. Despite the very generous measuring range it offers excellent accuracy and linearity and allows precise measurements of minute forces. The Type 9287CA has an built-in charge amplifier compatible with all of the common motion analysis systems. Technical data:

- Extremely wide measuring range (-10 20 kN)
- Overload (Fx, Fy = -13/13 kN, Fz = -10/25 kN)
- High natural frequency (fn (x, y) = 750 Hz, fn (z) = 520 Hz)
- Weight (25 kg)
- Threshold Fz <250 mN
- Linearity ($< \pm 0.2 \%$ FSO)
- Hysteresis (< 0, % FSO)

Owner institution: InnoRenew CoE

Location: Industrijska cesta 4, 6310 Izola

Contact: Nejc Šarabon

nejc.sarabon@innorenew.eu





Isometric Bilateral Knee Dynamometer



Advanced and user –friendly solution for static joint torque measurements:

- Adjustable and rigid mechanical frame is suitable to measure all groups of people.
- Bi-lateral design allows instant left and right comparison (top.-level electronics, high accuracy)
- Seat adjustment mechanism for 60 mm. Knee angle release mechanism between 0 and 90°
- Adjust the lateral position of the leg pads in a range of 240 mm and longitudinal position of the leg pads in a range of 160 mm.
- Leg lever arms can be moved up and down to reach knee angles between 0 and 90°
- The rear seat can be moved forward and backward for 60 mm in order to adapt the seat to the length of user's legs.
- The leg pads can be moved longitudinally and laterally in order to adjust the seat to the length of the user's legs.

Owner institution: InnoRenew CoE

Location: Industrijska cesta 4, 6310 Izola

Contact: Nejc Šarabon

nejc.sarabon@innorenew.eu





Thermo Scientific VSTAR83

Thermo Scientific Orion Versa Star Pro Benchtop Meter with pH / LogR Module



Thermo Scientific Ph/LogR meter kit

- Glass body pH
- Stainless steel ATC Higher throughput
- Measurement Modes: pH with LogR temperature, mV, relative mV (RmV) or ORP with temperature
- pH reolution: 0.1, 0.01, 0.001
- Temperature resolution: 0.1° C

Owner institution: InnoRenew CoE

Location: KMK - Industrijska cesta 4f, 6310 Izola

Contact: Dave DeVallance

devallance @innorenew.eu





Keithley 2230G

Multi-Channel Programmable DC Power Supplies



High Power, 3-Channel Programmable Power Supplies. Complete control of the power supplies from a PC; LabView and IVI drivers facilitate instrument control, data logging, and analysis..

0.03% basic voltage accuracy and 1 mV resolution setting and measurement

Output volage: 0-30V

Output current: 0-5A

Supply voltage: 120-240VAC

Owner institution: InnoRenew CoE

Location: Kettejeva 1, Koper

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