PLASTICS PIPE INDUSTRY

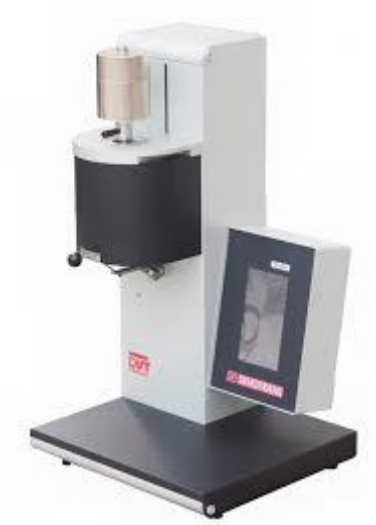
Technical Specifications of the testing devices

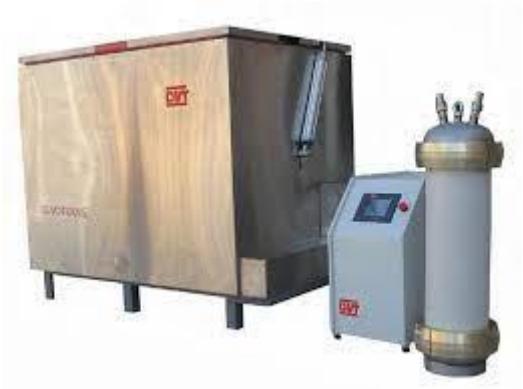
Below are provided technical specifications for a set of testing devices/equipment for the implementation of a project co-financed by MIET under the grant contract No1621 and with the following title: Competitiveness and export readiness project (CERP), which shall be implemented in the municipality of Gjakova.

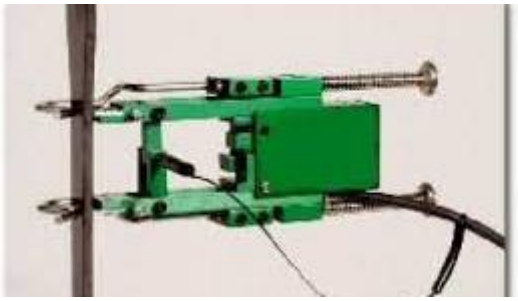
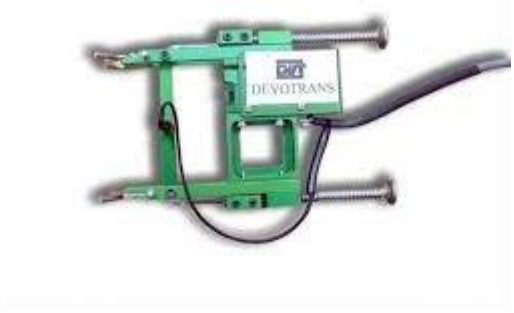
Inquiry is being made for one unit per each testing device.

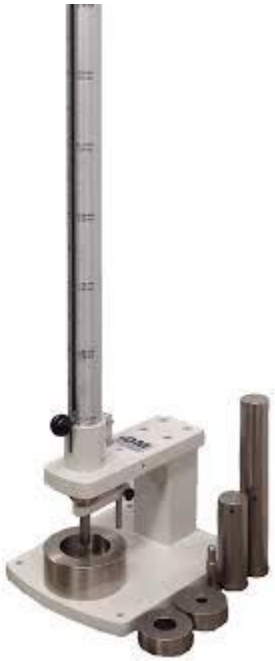
1. Melt Flow Index tester
2. Equipment For Testing pressure and pipe lifetime (complete set)
3. Tensile Testing Machine
4. Extensometer
5. Plastic Impact Tester
6. Densitometer
7. Drying oven
8. Quality control devices for laboratory

Other additional clarifications and technical specifications are provided upon request!

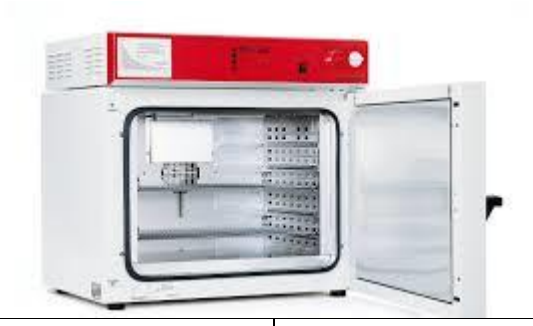
Melt Flow Index tester	
	
GENERAL USE	It is used in the determination of the flow values of melted plastic. It gives a quantitative value for the plastic's flowing capacity during injection.
USED IN	PACKAGING PIPES BAGS-JUTE AND FILMS CABLES AUTOMOTIVE, HOME APPLIANCES
RELEVANT STANDARDS	EN ISO 1133 DIN 53735 ASTM D1238 ASTM D3364
TECHNICAL INFORMATION	Test values are automatically obtained after simply entering the weight of the melted material. Hardened steel melting tank . Two insulated heating cells. Structure that can be easily cleaned after each trial. High thermal precision. Automatic cut. Body coated with hydrostatic powder paint. System with high precision thermal control. User-friendly robust structure. Capability of conducting measurement and calculation for MVR, MFR (A), MFR (B), FRR tests. Functioning voltage: 220V, 50 Hz. Computer connection. Automatic dispatch of test results to computer. Calculation of volume density.

Equipment For Testing pressure and pipe lifetime (complete set)	
	
GENERAL USE	This is a group of devices that are used to conduct tests of lifetime under pressure on plastic pipes in particular, but also on plastic jerry cans, tanks, hoses, blowers etc.
USED IN	PIPES PLASTIC PE PIPE PVC PIPE
RELEVANT STANDARDS	EN ISO 1133 DIN 53735 ASTM D1238 ASTM D3364
TECHNICAL INFORMATION	The group consists of high volume boiler, equipment for testing pipe lifetime under pressure and pressure covers of pipes.

Extensometer	
 	
GENERAL USE	Used to conduct high precision measurement of extension.
USED IN	PIPES AUTOMOTIVE, HOME APPLIANCES OTHER
RELEVANT STANDARDS	EN ISO RELEVANT STANDARDS
TECHNICAL INFORMATION	Designed to be applicable to all tensile and compression test equipment. Different holding jaws depending on products.

Plastic Impact Tester	
	
GENERAL USE	Used in impact test of plastics. Impact tests can be performed.
USED IN	· PVC or PE manufacturers. · Insulation manufacturers. · Panel manufacturers.
RELEVANT STANDARDS	· BS 7619 · ISO 6272-1
TECHNICAL INFORMATION	· Impact head is available. · Water gauge, adjustable foot. · Special, hardened head. · Test weight is provided.

Densitometer	
	
GENERAL USE	Used for measuring density of solid, liquid, granulated (except talcum powder), sponge or floating materials.
USED IN	PACKAGING PIPES
RELEVANT STANDARDS	ISO / EN relevant standards
TECHNICAL INFORMATION	Accuracy: 0.1 mg. Capacity: max. 220 g. Response time: 2 sec. Screen type: VFD. Diameter of scale's pan: Ø 90 mm. Type of calibration: full automatic internal calibration. 230 mm lengthen glass doors can be opened from 3 directions. Piece counting software. Possibility of using it as a scale. USB connection. Unit options: g, mg, lb Automatic repeatability test.

Drying oven	
	
GENERAL USE	Used in all sectors especially in textile, plastic and rubber industries. Also used for sterilization, drying, dehumidification, baking purposes in different industries.
USED IN	PLASTICS AND PIPES PACKAGING FOOTWEAR DIFFERENT METALS
RELEVANT STANDARDS	EN 50086 / 1604 EN 60811-1-2 EN 60811 Or other equivalent standards
TECHNICAL INFORMATION	Cabinet and door insulation seals are made of high temperature resistant silicone. By means of air circulation, uniform temperature is provided in entire cabin. Temperature setting : Can be set between ambient temperature +5°C and 200°C ,by ± 1°C accuracy. Micro- processed thermostat provides accurate temperature control. Cabin interior is made of stainless steel or porous film coated aluminum. Energy saving due to efficient thermal insulation.

Note:
Pictures of testing devices are only for referral. As well some technical specifications are as reference and may alter as per manufacturer of the devices.

For more details please contact procurement@inovapipe.com