

Polish producer of industrial wooden pallets is looking for a pallet strength press.

Summary

Profile type

Business request

Company's country

Poland

POD reference

BRPL20251215012

Profile status

PUBLISHED

Type of partnership

Commercial agreement

Targeted countries

• World

Contact Person

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Term of validity

15 Dec 2025
15 Dec 2026

Last update

15 Dec 2025

General Information

Short summary

The purchase concerns a compression testing system for strength testing of transport packages, unit loads and flat pallets. The device shall enable compression, deformation, stacking and creep tests in accordance with ISO 8611 and other EN, ASTM and ISTA standards. The scope includes delivery, installation, commissioning, software, accessories, training and documentation, with defined technical, accuracy, service and warranty requirements.

Full description

1. Purpose of request

The purpose of the purchase is the delivery, installation, and commissioning of a compression tester to assess:

- compressive strength,
- resistance to deformation,
- stacking capability

for:

- transport packages,
- unit loads,
- flat pallets for transport and storage.

The device shall enable testing in accordance with the requirements of standards, including ISO 8611 (flat pallets), EN, ASTM, ISTA.

2. Scope of supply

1. Compression tester with minimum parameters as specified in section 3.
2. Complete set of accessories for pallet testing according to ISO 8611, including at least:
 - load applicators,
 - supports,
 - steel load bars of various lengths (approx. 300–1500 mm).
3. Controller / control system based on a PC with a touch screen, with installed software for:
 - defining test methods,
 - recording and archiving results,
 - generating test reports.

4. Requirements regarding standards

The device must enable testing in accordance with at least the following standards:

- ISO 8611 – tests of new flat pallets.
- EN 15552 – complete, filled transport packages and unit loads.
- ASTM D4169, ASTM D642.
- ISTA: 1C–D; 2A–B; 3E–F, H, L; 4-Series; 6-FEDEX-A,B; 6-SAMSClub; 6-AMAZON.COM-SIOC.
- ISO 2872; ISO 12048; ISO 13820.
- TAPPI T804, JIS Z0212, GB/T 16491, GB/T 4857.4, QB/T 1048-2004 or equivalent

5. Additional / infrastructure requirements

The bidder shall clearly specify in the offer:

- requirements for electrical power supply (power, protection, connection),
- requirements for the floor (load capacity, flatness, possible need for a foundation / pit),
- whether the scope of supply includes:
 - o unloading (e.g. crane, forklift),
 - o moving and positioning,
 - o additional utilities (compressed air, others),
- requirements regarding environmental conditions (temperature, humidity).

Advantages and innovations

Technical specification or expertise sought

3. Technical requirements (minimum)

3.1. Working range and mechanics

- Simulated tests (min.):
 - o vertical compression,
 - o apply & hold,
 - o apply & release,
 - o BCT determination,
 - o creep characterization.
- Compression force range: 1–100 kN or higher.
- Working stroke: up to at least 1600 mm.
- Dimensions of the test platform (bottom): min. 1500 x 1500 mm.
- Dimensions of the upper platen: min. 1500 x 1500 mm.
- Type of upper platen: “floating platen” (self-levelling).

3.2. Force measurement and accuracy

- Set of load cells: min. 4 pcs, class C3 or equivalent.
- Measurement accuracy:
 - o max. 0.2% error relative to full scale,
 - o max. 1% error over the entire working range.

3.3. Control system

- Control via PC with touch screen.
- Possibility to create and save own test procedures.
- Export of test data (e.g. CSV, PDF).
- Possibility to print reports.

Stage of development

Already on the market

IPR Status

Sustainable Development goals

• Goal 9: Industry, Innovation and Infrastructure

IPR Notes

Partner Sought

Expected role of the partner

7. Information required in the offer

Please provide in the offer:

1. Model of the device and manufacturer.
2. Detailed technical datasheet.
3. Description of accessories for tests according to ISO 8611.
4. Delivery and bringing in / positioning of the device at the customer's site.
5. Assembly, connection, trial start-up.
6. Operator training (min. 1 day, scope: operation, health and safety, basics of result interpretation).
7. Technical and user documentation (PL or EN):
 - o operating manual,
 - o service / maintenance manual,
 - o declarations of conformity / certificates.

Type of partnership

Commercial agreement

Type and size of the partner

- **SME 50 - 249**
- **R&D Institution**
- **University**
- **SME 11-49**
- **Big company**
- **Other**
- **SME <=10**

Dissemination

Technology keywords

Market keywords

- **08003005 - Other industrial machinery for textile, paper & other industries**

Targeted countries

- **World**

Sector groups involved