



Request for Quotation (RFQ) for the supply and installation of a New Convection Heating Oven and Vacuum Membrane Press Machine (Complete) to the CSIR for the Composites Innovation Centre (CIC) at Tshwane University of Technology (TUT) in Pretoria

Request for Quotation number: 5416/18/01/2019

Date of issue	14/12/2018
Submission closing date and time: Queries closing date and time:	18/01/2019 17/01/2019
Contact details and submission of quotations is via email only to:	tender@csir.co.za
Category	Manufacture of Machinery and Equipment
Business hours	08:00 – 16:30

1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply and installation of a New Convection Heating Oven and Vacuum Membrane Press Machine (Complete) to the CSIR for the Composites Innovation Centre (CIC) at Tshwane University of Technology (TUT) in Pretoria.

2 QUOTATION REQUIREMENTS

a. 1 x Convection heating oven & vacuum membrane press (COMPLETE)

- Convection heating oven and vacuum membrane press in one machine on wheels
- Suitable for preheating Solid Surface materials, thermoplastics and similar composite materials
- Max. vacuum pressure up to 8.5 t/m² and 16 m³/h HPL - continuous
- HPL compact press board with 10 mm
- Silicone membrane heat resistant up to 230 °C
- Cross-flow fan technology for uniform heat distribution

- Short heating up time
- Preheating time approx. 2 min./mm material thickness
- Electrical connection 380 V / 50 Hz / 3 Phase
- Usable for woodworking and thermoforming
- Rotary vane vacuum pumps, maintenance and oil free
- Automatic and Continuous operating mode of the vacuum pump (includes analog vacuum pressure switch)
- Flat silicone membrane with 2 mm thickness, translucent
- Convection heating from the sides
- Working temperature from 0 up to 180 °C
- Adjustable digital temperature unit
- Digital preheating timer with light indicator
- Warranty: 2 Years under normal use except on membrane and HPL pressboard
- Press area 2560 x 1310 mm
- Heating area 2400 x 1000 mm
- Power requirements 16.5 kW
- The heating technology consists of two convection heating elements, which are mounted at the sides and integrated cross-flow fans ensure a uniform heat distribution. The material to be preheated is placed onto a manually operated, roller-mounted tray. The cross-flow fan technology guarantees a tension free and reliable heating procedure and is also suitable for tempering and similar thermo treatments. The vacuum press, which is available in two different variants, is mounted on top of the heating oven in a space-saving design. Typical press applications like thermoforming, profile wrapping, edge bending, wood panel veneering and laminating, as well as bending plywood, is not a problem. Global Duo is perfectly suited for individual up to large production, and does so with only little investment. Accurate preheating and vacuum forming can now be carried out within minimal floor space. A combined machine, vacuum membrane press and preheating oven in one chassis that greatly increases the performance and efficiency of workflow.

Important:

- Local support in South Africa is required.
- Brochure with specifications to be included with the quotation
- Delivery and installation at Tshwane University of Technology (TUT) in Pretoria

3 EVALUATION CRITERIA

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Indicate valid B-BBEE status on quotation. No B-BBEE status will equal zero points.
- 3.3 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register.
- 3.4 No order will be issued or no contract will be signed without a valid CSD number.

4 PRICING QUOTATION

- 4.1 Price needs to be provided in South African Rand (excl. VAT), with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 4.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 4.3 Payment will be according to the CSIR Payment Terms and Conditions:
 - 4.3.1 The Invoice amount will be paid within forty-five (45) days after receipt of a valid Invoice, subject thereto that the Goods and/or Services fully complied with the specifications of the Purchase Order.
 - 4.3.2 No deposits/prepayments will be allowed.

5 OTHER TERMS AND CONDITIONS

- 5.1 The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any CSIR employee or its representatives. Such an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.
- 5.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

6 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. CSIR purchase order number must be quoted on the invoice. Invoices without CSIR purchase order numbers will be returned to supplier.

7 Note: This is not a Purchase Order.