

TIBO Tiefbohrtechnik GmbH | Benzstr. 5 | 72793 Pfullingen

TECO Tooling Pty Ltd
121 Bittern-Dromana Road
VIC 3926 Merricks North
COMMONWEALTH OF AUSTRALIA

QUOTATION AN200373.614-2
Date 19.11.2020
Customer 20905
Your inquiry dated 19.11.2020
Your sign
Your fax 00613 86 727 836
Your VAT-ID
Our sign Volker Kunze
Email kunze@tibo.com
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Dear Sir or Madam,

We are pleased to offer you based on our sales and delivery conditions, which you can find on www.tibo.com:

PRICE OVERVIEW

pos	qty	description	unit price EUR	total EUR
1	1 pcs	Deep Hole Drilling Machine # 614-2 Used Machine		
2	1 pcs	Clamping tailstock		
3	1 pcs	Drill bush and clamping cone reception		
4	1 pcs	Tool Steady Rest		
5	1 pcs	Workpiece pre-centring-device		
6	1 pcs	Safety and Splash Guard SO		
7	1 pcs	Coolant system 67L/min-1000L-ELB E25-1		
8	1 pcs	Refrigerating machine 13 kW		
9	1 pcs	Chip basket		
10	1 pcs	Machine acceptance test before delivery		
11	1 pcs	Warranty 6 months		
Total				96.750,00
12	1 pcs	Installation, Commissioning and Training invoiced at cost		
13	1 set	Accessories will be offered upon request		
OPTIONS				
14	1 pcs	Remote connection	3.220,00	

pos	qty	item description	unit price EUR	total EUR
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Basic machine consisting of

Machine frame

of powerful, torsion-resistant welded construction with circumferential coolant groove and drainage into the coolant system. Linear guides are mounted along the entire length of the machine frame.

Deep-drilling unit

mounted with guide carriages on the linear guides. The feed motion is executed by means of a ball screw spindle with a Siemens AC servo motor and upstream planetary gearbox.

Drilling spindle unit

with precision bearings.

There is a central through bore in the drill spindle to supply the coolant, and a drill oil feed installed at the end of the spindle (including a flow divider for multi-spindle versions). The spindle drive unit uses a Siemens SINAMICS spindle motor and toothed belt drive mounted to the spindle in a fixed drive housing.

Movable drill bush holder carriage

mounted on a guide carriage on the linear guides. The movable drill bush holder carriage is of powerful, rigid welded construction for accommodating drill guide and sealing elements. It is equipped with a removable observation window in its cover. The removal of coolant and chips in the chip conveyor/chip basket is performed by means of a chip discharge mounted on its reverse side.

Tailstock slide / Slide for clamping devices

mounted on guide carriages on the linear guides. It can accommodate clamping devices or a tailstock rotating in the opposite direction to the drill spindle, and its position can be adjusted along the linear guides. The clamping stroke in Z+ is performed hydraulically. Clamping speed and force can be adjusted steplessly.

Stroke = 50 mm.

pos	qty	item description	unit price EUR	total EUR
2	1 pcs	<p><i>e251-ws</i> Clamping tailstock for 1 spindle m/c mounted on tailstock slide. For reducing of centerline deviation during drilling process the tailstock spindle is in counterrotating the workpiece. Motor: SEW gearmotor Speed: 100 rpm Alternatively available as an option: Infinitely variable speed.</p>		
3	1 pcs	<p><i>e251-bosp</i> Drill bush and clamping cone reception rotating, 1-spindle, drill-Ø up to 35mm mounted on the drill bush bracket for reception of axial spring mounted drill bush holder and the rotating interior clamping cones, resp. a jaw chuck or similiar, depending on workpiece geometry.</p>		
4	1 pcs	<p><i>emc01-damp</i> Tool Steady Rest for support of long tools built on the linear guides with guide carriage The tool steady rest is automatically positioned at the initial position after each drilling cycle and can be quickly and easily removed from the linear guides when not needed.</p>		
5	1 pcs	<p><i>emc01-prze</i> Workpiece pre-centring-device 1 set containing 2 pcs supporting prisms which are adjustable in height according to workpiece diameters up to Ø160 mm. Further sizes available upon request</p>		
6	1 pcs	<p><i>div</i> Safety and Splash Guard SO with sliding doors covering complete work piece and drilling area of the machine and surface-hardened composite glass panes at operator's side of machine. Doors are automatically locked when drilling process is started.</p>		

pos	qty	item description	unit price EUR	total EUR
7	1 pcs	<p><i>KA1,0-67/5,5</i> Coolant system 67L/min-1000L-ELB E25-1 For coolant: deep hole drilling oil</p> <ul style="list-style-type: none"> • Coolant tank separated in clean and dirty oil tank with a total capacity of 1.000L • High pressure pump with a max. flow rate of max. 67l/min. The flow rate can be selected as required to get the optimal coolant quantity depending on the tool • Paper tape filter for filtration of the coolant with fineness of filtration 35µm • Slush pump for drill bush bracket 		
8	1 pcs	<p><i>cscoc-100</i> Refrigerating machine 13 kW net. cooling capacity 12,5 kW cooling capacity 12,5 kW at 32° C ambient temperature and medium 30° C. Controlled by adjustable thermostat. Completely mounted on coolant tank with thermostat, delivery pump, etc.</p>		
9	1 pcs	<p><i>spkorb</i> Chip basket</p>		
10	1 pcs	<p><i>mcabn</i> Machine acceptance test before delivery to be performed in our premises in 72793 Pfullingen, Germany, following our regulations for function testing.</p>		
11	1 pcs	<p><i>gew6</i> Warranty 6 months The warranty period shall be 6 months from the commissioning date. Please note that the warranty obligation expires if the machine installation will not be carried out by our technicians. The warranty of the machine expires if interventions, modifications or repairs will made on the machine. During the warranty period repairs and modifications at the machine may only be made by Tibo employees.</p>		
Total				96.750,00

pos	qty	item description	unit price EUR	total EUR
12	1 pcs	<i>sem00112</i> Installation, Commissioning and Training invoiced at cost at customers site according our "Installation And Service Charge Rates". Duration of training is 1 working day (8 hours) and contains instruction of customer's personell in operating, changeover and maintenance works of the machine.		
13	1 set	<i>mcallg</i> Accessories will be offered upon request as well as deep hole drilling oil depending on Workpiece OD and drill diameter. Therefore please provide drill-Ø, length and according workpiece OD for each workpiece separately.		
14	1 pcs	<i>as an option</i> <i>onf-ebmc</i> Remote connection for E-/B-machines <u>Remote diagnosis:</u> - Readout of error messages, input/output of PLC and Error codes on frequency converters <u>Online access to memory:</u> - Display and edit cutting datas for up to 500 workpieces Access is via customer provided LAN or VPN network. Required: Ethernet cable to cabinet provided by customer.	3.220,00	

subject to being unsold, details without obligation
 Validity of quotation: December 31st 2020

delivery date: By arrangement after receipt of the written order, down payment and clarification of all technical details.

shipping conditions: FCA 72793 Pfullingen, GERMANY, [Incoterms 2010]

payment terms: 1/3 with the order,
2/3 after positive acceptance test at TIBO before shipment, each net without deduction

We would be pleased if our offer meets your approval.

With kind regards,

TIBO Tiefbohrtechnik GmbH

i. A.Volker Kunze
 (electronically created, valid without signature)