

# ORDER CONFIRMATION

Michael Weinig Inc.  
P.O.Box 3158

Mooresville, NC 28117

USA

Final customer:

Michael Weinig Inc.  
124 Crosslake Park Drive  
Mooresville, NC 28117  
USA

Subject: **3797.24**  
Your tel. no.: **001 704 799 0400**  
Order: **PO No. 54129-OW**

Customer: **22320/8/0**  
Your fax no.: **0017046632793**  
of: **08/30/2007**

Date: **18 September 2007**  
Your ref.: **Mr. Peter Fritsch**  
Our ref.: **Mr. Braunmiller / rr**

## Stock machine

**Optimizing cross-cut saw OPTICUT S 90 Speed  
for ingoing lengths up to max.20' 8" (6.3 m)  
according to layout drawing A.3797.24.2**



### **Grecon Dimter Holzoptimierung Süd GmbH & Co. KG**

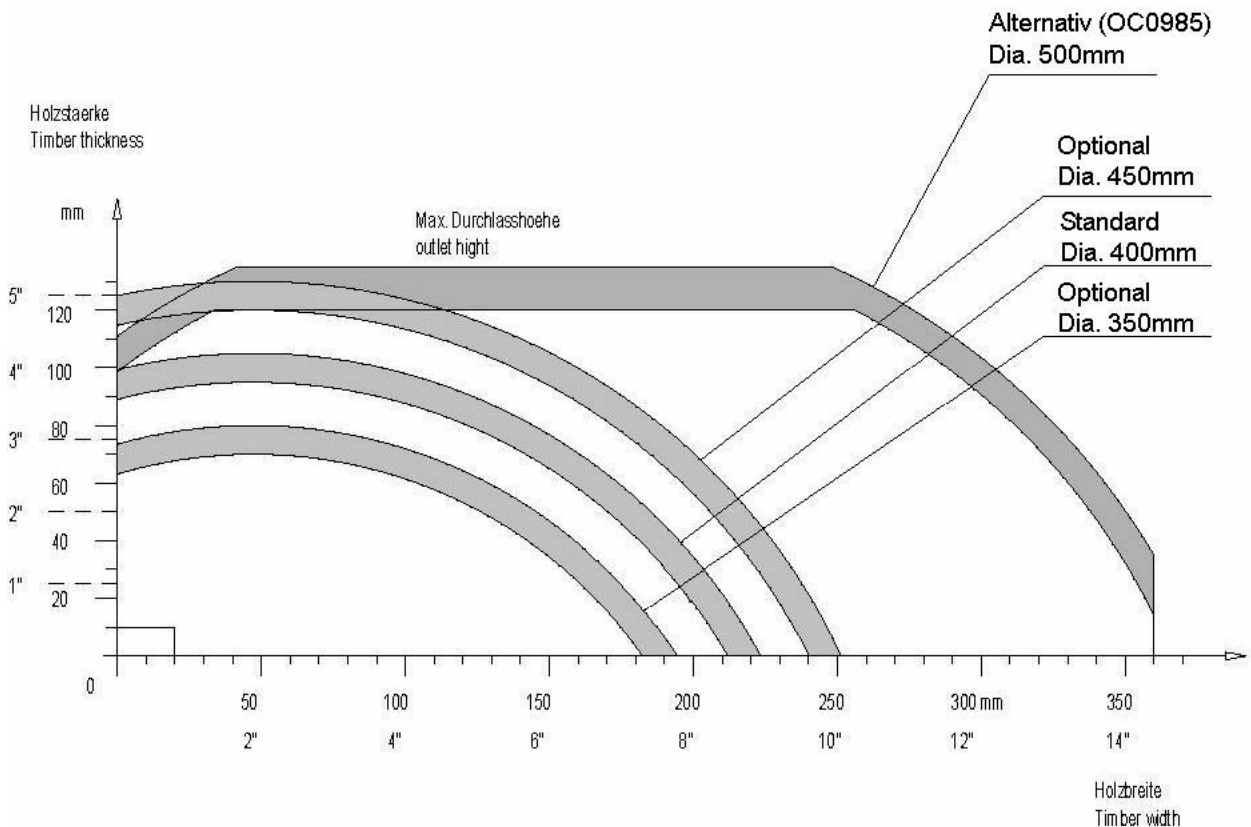
Rudolf-Diesel-Straße 14-16, 89257 Illertissen, Bundesrepublik Deutschland  
Telefon +49 (0) 73 03/15-0, Telefax +49 (0) 73 03/15-199, E-Mail [info@dimter-weinig.de](mailto:info@dimter-weinig.de), Internet [www.weinig.com](http://www.weinig.com)

HR Memmingen A 10071  
Geschäftsführer: Walter Fahrenschoen  
Komplementärin: G/D Süd Verwaltungs GmbH, HRB 10673

Banken: Hypo Vereinsbank Ulm – Kto. 9426345 (BLZ 630 200 86) / S.W.I.F.T Code = HYVEDEMM461  
IBAN DE65 6302 0086 0009 4263 45  
Zoll Nr. 2387727  
UST/ ID NR. DE 812 382 348

## Timber lengths to be machined:

Ingoing lengths	max.	20' 8" (6300 mm)
Widths	min./max.	¾" – 14 ¼" (20 – 360 mm) (*)
Thicknesses	min./max.	3/8" – 4" (10 - 100 mm) (*)
Nominal cross section at sawblade diameter 19 11/16" (500 mm) (*)	min. max. max. max.	¾" x 3/8" (20 x 10 mm) 11" x 4" (280 x 100 mm) (*) 11 ¾" x 3 ½" (300 x 90 mm) 14 ¼" x 3/8" (360 x 10 mm) (without board bend)



Weight workpiece	max.	approx. 100 kgs
Weight of particular lengths with direct connection of a sorting belt	max.	approx. 20 kg
Positioning accuracy of the pusher	+/- 0.1 mm (*)	
Fixed length at application of sorting belt	min.	approx. 3 1/8" (80 mm)

**Timber species:** Soft- and hardwood / Timber material

The timber must be appropriate to be treated with the machine.

**Capacity:**

Feed speed pushing bar upto	393' (120 m) per min.
return stroke upto	787' (240 m) per min.

The actual daily capacity depends essentially on the production conditions of the customer.

**Working height:**

Table inclined by 10°	approx. 39" (995 mm)
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**Connected loads:**

Electric connected load	see final layout drawing
Operating voltage	approx. 440-480 Volt / 60 Hz
Air consumption	see final layout drawing
Service pressure	min. 6 – 8 bar (*)
Exhaust speed	approx. 100' (30 m) per sec.
Exhaust diameter	5" (125 mm)
Colour	light grey RAL 7035 blue RAL NCS 5030-R 80 B black RAL 9005

**To be provided locally:**

1. Electric power supply to switch cabinet
- 1.1 Constant power supply (voltage deviations max. 5%)
- 1.2 Temperature range for control / processor 5 - 35°C
2. Dust exhaust system (V = 100' (30 m) per sec.) / exhaust connection (Ø 5" (125 mm))
3. Air pressure at operation of machine 6 - 8 bar
4. Skilled operation and maintenance personnel
5. Platforms, stairs, gangways if necessary

**Attention:**

Observe the following when using RCCBs (residual current circuit breakers):

- Use all-current sensitive residual current circuit breakers, rated leakage current  $\geq 300$  mA.

()\* other values possible / upon request in case of additional equipments!

## **ITEMS and PRICES:**

Item 1 **OptiCut S 90 Speed**  
**Machine design**

Extremely quick, automatic cross-cut saw as an integrated solution from motoric positioning unit and saw. Reliable cutting of single pieces and high capacity at the same time. Inclined machine design in order to allow the alignment of the workpieces at the guide fence.

The heavy, welded saw body as well as the saw aggregate are the basis for precise cuts.

Reliable and efficient working at high feed speed. Quick feeding directly into conveying position by swivelling positioning pusher and automatic start by photo-eye curtain. The positioning is highly dynamic and precise. Clamping and cut of the workpieces follow time-optimized. The return stroke of the pusher is extremely quick. Thus very high daily capacities are achieved. The OptiCut S 90 Speed can be upvalued by options (many of them also lateron).

### **Basic equipment**

Strong saw motor of 7.5 kW (10 HP)

incl. 1 pc. sawblade, diameter 19 11/16" (500 mm)

Strong drive of pusher, nominal output 5.1 kW  
(transient upto 8 kW for acceleration)

Swivelling positioning pusher incl. laser photo-eye for automatic length detection

Lateral pressure unit for more dynamic positioning and rectangular cut

Way of stroke of downholder is shortened (Attention: packets only with same board length!)

Advance speed up to 393' (120 m) per min.

Speed at return stroke up to 787' (240 m) per min.

Accuracy package for positioning accuracy of pusher  
+/- 0.1 mm

Security fences according to CE standards

Automatic start after workpieces having been inserted

Weight of workpieces max. 100 kgs

- Item 2 **Supporting arms**  
installed laterally at the infeed table, for more regular working at the OptiCut. Preparation of the workpieces or justification of quality and marking of defects is possible independently of the processing of the preceding workpiece in the saw.  
  
For ingoing length workpiece max. 20' 8" (6.3 m)
- Item 3 **Equipment package for big timber cross sections**  
for timber widths with sawblade diameter 19 11/16" (500 mm) (see saw diagram)
- Item 4 **Additional laser photo-eye in the infeed table for detection of widths of more than 8" (200 mm)**  
For widths of more than 8" (200 mm) the clamping device on the swivelling pusher is being deactivated
- Item 5 **Automatic removal of defects and cutting of fixed lengths (defect removal + optimizing) with 1 grade**  
Luminescent key for installation on the swivelling positioning pusher in addition to the laser photo-eye, extensive software package for optimization.  
During the return stroke of the pusher, the raw timber length and the positions of the marked defects are determined. The board is already placed in feeding position, the pusher is lifted to top. After measuring during return stroke, the pusher is lowered and transports the board into the cross-cut saw. The OptiCut removes automatically the marked defects and cuts the suited lengths according to the cutting list from the remainders.
- Item 6 **Optimization with 4 grades**  
Splitting-up/optimization of the boards is made out in 4 different timber grades. Marking of the grade to be done by the operator. Manual adjustment of the sensory mechanism according to timber thickness. Maximum timber bend in height 1" (25 mm).

- Item 7 **Clamping device from top by means of a blade**  
installed to the swivelling pusher,  
including the special execution of the lift- / lowerable table  
and a special linear module
- Item 8 **Equipment package**  
to connect the sorting station  
max. weight of particular lengths < 20 kg
- Item 9 **Variable speed of outfeed belt via frequency converter**
- Item 10 **Integrated waste gate**  
electro-pneumatically actuated for exact sorting out of the  
waste pieces – installed directly to saw, without drive unit,  
length 4' 11" (1.5 m)
- Item 11 **Outfeed conveyor belt / sorting station**  
with drive unit, without ejectors.  
Belt length 33' (10 m)
- Item 12 **5 pcs. Ejectors with squeeze protection**  
to be built onto the outfeed conveyor belt (sorting station),  
max. weight of particular lengths < 20 kgs
- Item 13 **Operating device OptiCom Direct**  
with large TFT colour display 12" and touch screen  
operation.  
Technical data: 500 product groups storable (16  
simultaneously for width measuring), 350 fixed lengths per  
product group, 50 ranges for variable lengths anyway  
spread over 8 grades, extensive production statistics, data  
import / -export in ASCII formate, direct connection possible  
to a network-capable printer (statistics, data import/-export  
and print possible via network)

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- Item 14 **Connection kit to customer's PC**  
Cutting lists can be established at the office and be transferred "online" to the OptiCut or vice versa the production status can be retrieved from the statistics established by the OptiCut. Establishment of detailed production statistics at the office.
- OptiCut software for PC  
33' (10 m) Ethernet cable
- Item 15 **Equipment package for the connection of an Ink-Jet Printer type "VideoJet"-to be supplied by the customer-to the OptiCom Direct control**  
Equipment package contains:
- electric and electronic amplification and equipment of the machine
  - extended software package for control of the printer
- Item 16 **Special operating voltage 440-480 Volt/60 Hz**
- Item 17 **MilliVision Pro Interface**

**TOTAL PRICE**  
**(FOB German seaport,**  
**without installation and commissioning)**

**EUR**



## **COMMERCIAL DATA:**

### **Price calculation:**

FOB [Free On Board], freight prepaid German maritime port, according to Incoterms (latest edition) loaded in container or case packaging incl. seaworthy packaging on wooden boards with VCI foil and transport insurance up to German maritime port, without customs clearance.  
Without installation and commissioning.

### **Delivery time:**

Delivery in november approx. week 48 / 2007

### **Delivery address:**

Michael Weinig Inc.  
124 Crosslake Park Drive  
Mooresville, NC 28117  
contact person: Mr. Peter Fritsch  
phone: 001/704-799 0100  
fax: 001/704-799 7400

### **Terms of payment:**

100 % payable 6 months after shipment and date of invoice.

### **Commissioning:**

Commissioning will be carried out by Michael Weinig Inc. / USA  
Auxiliary materials, such as lifting device, transporting equipment, etc. needed during commissioning will be made available by customer.  
All central power supply connections must be available respectively ready on beginn of the installation.  
All parts and/or material required for installation or fastening of the machine, such as dowels, concrete screws, foundation base-plates, etc. will be delivered by Grecon Dimter together with the machine.  
Additionally one package = 12 pieces of marking crayon is included in our machine supply. This quantity is sufficient for commissioning and/or production start. Moreover, we recommend to order for your stock sufficient crayon well in time. Please direct your order either by phone or telefax to our spare parts department, phone: +49 (73 03) 15-135, fax. +49 (73 03)15-230.

### **Technical modifications:**

Data for dimensions, weight and technical details are without obligation.  
We reserve the right for technical modifications in the client's interest.

### **Operation tools:**

Tools for the machine's adjustment will be delivered free of charge together with the machine.

**Not included in our delivery:**

In general all machines, lines, equipments and services not indicated in the conditions as mentioned above.

**Warranty:**

For new machines the warranty period amounts to 1 (one) year upon the receipt of the goods according to our general valid terms of sale and delivery.

If products sold by us have not explicitly been intended for multiple shift operation, the warranty period in two shift operation shall be reduced to 6 (six) months, in three shift operation to 3 (three) months. There is no warranty for any products we do not as agreed deliver as new goods.

**Technical documentation:**

2-fold in English together with the delivery of the machine

**Marking of the machine:**

in English

By this order confirmation all prior arrangements, made verbally and/or by writing become invalid.

Unless other arrangements have been met by this contract supplementary our general terms and conditions of sale and delivery are valid.

Of course, we assure you of a careful processing and execution of your order and would ask you to return to us one countersigned copy of this order confirmation until 28.09.2007, the latest. If we do not receive a signed copy until this date we suppose that you fully agree to our order confirmation.

For any further questions the following contact persons will be at your disposal:

- in commercial respect: Mr. Markus Braunmiller - phone: 0049 7303/15-213
- in technical respect: Mr. Christoph Marczyk - phone: 0049 7303/15-254

Best regards

Grecon Dimter  
Holzoptimierung Süd  
GmbH & Co. KG.

Declaration of approval

i. V. Markus Braunmiller

i. A. Ramona Rottach

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Date / Signature of customer