



We appreciate your interest, and are pleased to recommend the following precision bending machine for your application.

### **Transfluid Model "DB 20101K"**



**Transfluid DB20101K**

**EDB 20101K-8WD**

**Rotary draw mandrel bender**

**\$85,250.00 plus options**

#### **Capacity:**

- Mild steel tubing from ¼" to 4", maximum wall thickness 0.134"
- Stainless steel tubing from ¼" to 4", maximum wall thickness 0.078"
- Mild steel pipe SCH 40 from ¼" to 2½"
- Mild steel pipe SCH 80 from ¼" to 2"
- Mild steel square tubing from ¼" to 3", maximum wall thickness 0.118"
- Rectangular tubing easy way up to 2" x 3" x 0.180"
- Rectangular tubing hard way up to 3" x 2" x 0.180"
- Maximum moment of resistance 26.2 cm<sup>3</sup>
- Bending angle up to 180° plus 10° springback
- Bending head speed 0-90°: 9 seconds

**Machine Equipment/Basic Accessories:**

- Standard Load length 10'
- Maximum Centerline radius 8"
- Minimum Centerline radius 1.5xD
- Bending height 41"
- Hydraulic bending head
- Manual or semi automatic operation (with optional SPS control)
- Manual operation initiated by push button. Each function; clamping, mandrel position, ending and return initiated by pressing respective button
- Semi automatic mode initiated by button and cycles as follows: clamp & pressure die closes, bending head rotates to programmed angle, mandrel retracts, clamp opens, bending head & mandrel return to start position. (optional SPS control)
- Clockwise bending direction standard
- Removable shaft for small bend radius
- Hydraulic pressure die & clamping
- Automatic bending tool engagement
- Manual tool plate return
- Standard hydraulic cylinder
- Color RAL 3000 red, 7037 grey
- Made in Germany

**Machine Data:**

- Nominal pressure 3600 psi/250 bar, Operating pressure 2900 psi/200 bar
- Power Requirements: 230 or 460 volt (Please specify voltage when ordering.)  
60 Hz. / 3 phase / 10 HP (7.5 kW)
- Machine weight: Approx. 5,500 lb.

<b>EDR 001</b>	<b>Programmable mandrel withdrawal during bending</b>	<b>\$ 2,540.00</b>
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- Improves bend quality by reducing distortion caused by mandrel
- Retracts mandrel prior to completion of bend
- Variable adjustment form 0-20°
- Automatic mandrel return

<b>EDSA-H</b>	<b>Manual Mandrel lubrication</b>	<b>\$ 817.00</b>
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- Mandrel lubrication via hand pump which is mounted near the operator station
- Lube is pumped through the mandrel rod and attaches to mandrel rod via quick disconnect fitting



## **Additional Equipment DB 20101K**



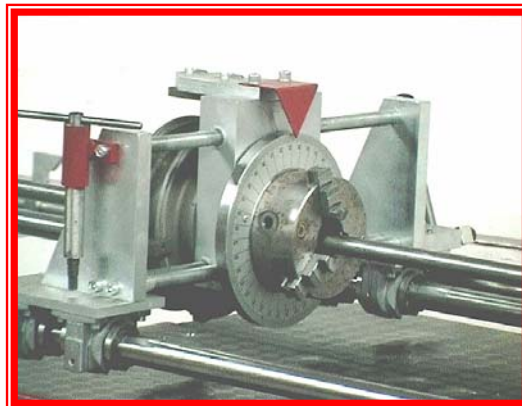
**SPS control panel**

<b>SPS Control</b>	<b>Optional PLC Control with storage function</b>	<b>\$ 6,100.00</b>
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- PLC control 500parts / 20 bends per part
- Automatic sequencing of bending angle and position
- Part Counter
- Digital lighted display
- Simple data entry

<b>AA 001</b>	<b>Automatic Operation Sequence</b>	<b>Included with SPS Control</b>
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- Manual or semi automatic sequence of operation selected by keyed switch.
- Manual operation initiated by push button on control. Each function; clamping, mandrel position, ending and return initiated by pressing respective button (for proto type and sample production)
- Semi automatic mode initiated by push button on control and cycles as follows: clamp & pressure die closes, bending head rotates to programmed angle, mandrel retracts, clamp opens, bending head and mandrel returns to start position.



**Chuck Clamp VWE H-2060K**

<b>EVWE 2060-30</b>	<b>Plane of bend device</b>	<b>\$ 4,675.00</b>
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- Supports tube, maintains position, and indicates plane with 4 adjustable stops

- Manual clamping via 3 jaw chuck
- For manual positioning of tubes up to 4"
- Includes length stop device with scale and 4 adjustable stops

**EMTG 20101-HY****Following pressure die****\$6,350.00**

- With linear slide bearing
- 17.7" following and a constant support of 5.9"
- Linear Movement via hydraulic cylinder with pressure control valve
- Return over hydraulic cylinder

**Sample Tooling Prices**

Tooling for 1.75" Ø x .065" wall x 1.5D 2.625" CLR	\$ 3,229.00
Tooling for 2" Ø x .065 wall x 1.5D 3" CLR	\$ 3,460.00
Tooling for 2.25" Ø x .065 wall x 1.5D 3.375" CLR	\$ 3,612.00
Tooling for 2.5" Ø x .065 wall x 1.5D 3.75" CLR	\$ 3,948.00
Tooling for 3" Ø x .065 wall x 1.5D 4.5" CLR	\$ 4,655.00
Tooling for 4" Ø x .065 wall x 1.5D 6" CLR	\$ 9,608.00
<i>Other OD and CLR sizes available on request.</i>	
Adapter plate for tools 3" and under	\$ 1,495.00
Wiper die holder for all sizes	incl.
Mandrel lubrication Part # 0-AF-99 <b>1qt</b>	\$ 14.99
Mandrel lubrication Part # 0-AF-100 <b>5 Gallons</b>	\$ 232.00

Pricing on exhaust tools includes 1.6xD clamps (serrated) on 2", 2.25", 2.5" and 3" tooling which will result in marking of material in the clamping area. All other tools are made with 2.5XD clamp lengths (straight) unless specified otherwise. Discuss with AFM your specific requirements to determine if serrated or straight clamps are required.

Mandrels can be produced in Chrome or Ampco Bronze for no additional charge. Please specify material type and finish required for your application.

Initial machine order includes two mandrel rods (one threaded 5/8"-11 and one threaded 1"-8). Additional mandrel rods are available at \$335.00 if shipped with machine.

**Note:** Tool prices are subject to change based on application.

**Terms & Conditions:**

**Payment Terms:** 30% Down, 70% Prior to Ship. All prices in U.S. dollars.

**Delivery:** Machine in stock, pending prior sale; otherwise 12 - 14 weeks from receipt of deposit and sales order confirmation, pending swift US Customs clearance. The proposed shipment date is an estimate and could be affected by circumstances beyond the control of Advanced Fabricating Machinery. Under no circumstances shall Advanced Fabricating Machinery have any liability whatsoever for loss of use or for any direct or consequential damages resulting from delay.

**Freight:** FOB Kingston NH (flatbed only, unloading from truck is the responsibility of purchaser)

**Twelve-month warranty on parts.** Manufacturer warrants the products to be free from defects in material and workmanship for twelve months from the date of shipment to the original purchaser only. The credit for replacement parts under warranty is subject to inspection of the defective part after the customer returns it. All consumables and parts subject to normal wear are not covered under this warranty. All warranty defects must be documented and sent to our technical department indicating the nature of the fault and all other related information required to rectify problem.

**NOTE:** All tooling is considered wear items which not covered under machine warranty.

**Sample Tubes:** Customer must supply sample material required for final adjustment of machine and tooling, quantities to be determined. Freight charges are the responsibility of customer.

**Factory Approval: Optional**

Customer is invited to accept machine at manufacturer's facility prior to shipment. Customer is responsible for travel cost; factory will provide room and board limited to time required for inspection and approval.

**Training & Setup: Additional**

Machine must be placed in position and main power connected prior to setup and training at customer site. Customer will be billed \$65/hour for travel plus related expenses (may include hotel, airfare, rental car, etc.). On site labor will be billed at \$95/hour; overtime rates apply.

**Taxes:**

Prices do not include taxes. If any sales, use or similar tax is payable to Advanced Fabricating Machinery in connection with any transaction or part thereof between the Purchaser and Advanced Fabricating Machinery with respect to goods delivered, the Purchaser will, upon demand, pay to Advanced Fabricating Machinery the amount of any such tax unless the Purchaser provides Seller with a valid tax exemption certificate.

Please be advised this quote is valid 60 days from above date.

We thank you for this opportunity to offer our equipment and look forward to serving you in the future.

Sincerely,

Alan Geetings  
Sales Manager