

RECEIVED APR 28 1992

Model # DA650
Serial # 10900



DEACRO INDUSTRIES LTD.

54 BRAMSTEELE ROAD, #18

ONTARIO L6W 3M6

(416) 455-8176

FAX (416) 455-8307

(416) 455-8176

April 23, 1992

Custom Made Packaging
1810 Pidco Drive
Plymouth, Indiana 46563
USA

Attention: Mr. Jerry R. Goble

As per our discussions, please note that we have modified our quotation no. 91182 rev. 1 to your revised specifications.

Training is included with the price of the machine. If this is to be done in the customer's plant, than travelling and accommodation expenses would be applicable. Regarding duty charges, please check with U.S. Customs. Duty should be negligible if any.

Freight and Insurance costs would be approximately \$1,200.00 to your door by "air ride" trailer.

Should you have any questions, or should you require any additional information with regard to the enclosed quotations, please do not hesitate to contact me.

Yours sincerely,

DEACRO INDUSTRIES LTD.

Ed de Boer
President

EDB/af
Encl.

operator code 66
Technician Code 3-66
Simon

182

3 analog
jag speed



DEACRO INDUSTRIES LTD

Ed de Boer
President
Phone: (905) 564-6566
Fax: (905) 564-6533

Deacro Industries Ltd.
215 Statesman Drive
Mississauga, Ontario
L5S 1X4

*Brampton, Ontario
Information #
1-416-555-1212*

- LEADERS IN INNOVATIVE ENGINEERING -

(905) 564-6566

April 23, 1992 FAX 905-654-6533
Quotation No. 91182 Rev. 2

Custom Made Packaging
1810 Pidco Drive
Plymouth, Indiana 46563
USA

Attention: Mr. Jerry R. Goble

We are pleased to submit our proposal based on your specifications:

CUSTOMER SPECIFICATIONS

Material	- Flexible Packaging
Web Width	- 62" Max.
Unwind Roll Diameter	- 28"
Unwind Roll Core I.D.	- 3"/6"
Unwind Roll Weight	- 1000 lbs.
Rewind Roll Diameter	- 24" max.
Rewind Roll Core I.D.	- 3"/6"
Maximum Slit Width	- 30"
Minimum Slit Width	- 2"
Maximum No. of Cuts	- 10
Line Speed	- 1500 FPM

MACHINE SPECIFICATIONS

1.0 General Specifications

- a) One (1) Deacro Model DA650 Duplex Centre Wind Slitter/Rewinder. The rewind is designed as a stationary shaft system and is cantilevered for quick loading and unloading. Two zone control in conjunction with multiple core gripping "camlocks" allow for multiple slit widths on the same shaft.

The rewind shafts are designed for cantilevered unloading and are fully supported during operation. Disengaging the cantilevered shaft supports is a pneumatic function and can be disengaged and reengaged by the operator valve on the front panel.

- b) The Control system consists of Deacro's single board digital controller, interfaced with a touch screen. User friendly operating software simplifies machine operation and stores and recalls machine setups by file name.
- c) The drive system consists of a two motor drive with the pull roll and slitting drive being of a regenerative type and the rewind drive having full overspeed and locked core torque control.

2.0 General Construction

Machine frames are ground steel plate and are rigidly braced with heavy-duty torque members. This assures frame stability and vibration free operation. All driven rolls are synchronous timing belt drives to minimize noise, vibration and maintenance. All pull and idler rollers are cylindrically ground and dynamically balanced at maximum operating speed to ensure vibration free turning. All bearings are "Sealed-for-Life" where applicable.

Roll Coverings are either cork/rubber or silicone, based on product requirements. Adequate guarding is furnished with conveniently located access doors provided for servicing of drive train, motors and all transmission elements. The rewind shafts are designed for cantilevered unloading and are fully supported during operation. Disengaging the cantilevered shaft supports is a pneumatic function and can be disengaged and reengaged by the operator valve on the front panel.

3.0 Unwind System

The unwind stand is an integral type built into the back of the slitter. The stand will move side to side a total of five inches for edge guiding. A pneumatic brake is controlled to provide constant unwind tension. Separate and or shaftless unwinds can be provided. Separate stands (DA125) and their available options are quoted as an option and Shaftless unwinds (DA160) are quoted separately not as an option.

Unwind Roll Dia.	- 32" (Integral Stand)
	- 40" Dia. (Separate Stand)
	- (DA125)
Unwind Roll Width	- 62"
Edgeguiding System	- Pneumatic Sensing
	- Hydraulically activated
Unwind Tension Control	- Constant Tension Control
Bow Roller	- 4 1/4 dia.-mounted between
	unwind idlers
Unwind Shaft	- 3" dia. lug type air shaft.

4.0 Drive and Control System

The machine will be controlled by Deacro's digital controller user interfaced via a touch screen. All machine setups can be saved and recalled, resetting the machine to previous running conditions.

Tension is controlled by the microprocessor. On the unwind constant tension is maintained throughout the roll diameter. On the rewind, Taper Tension can be programmed as a percentage of the base setting. On both unwind and rewind roll diameters are measured by ultrasonic sensors. For operator controls and touch screen layouts see enclosed brochure.

4.0 Drive and Control System (cont'd)

Drive System	- Dual Drive
Slitter/Pull Roller Drive	- 10 H.P. D.C.
Rewind Drive	- 15 H.P. D.C.
Drive Voltage	- 480 V.A.C.
Line Speed	- 0 - 1,500 F.P.M.

5.0 Slitting System

The machine is equipped with razor in air slitting as standard equipment. This is included in the base price. Shear and Score slitting are quoted as options in the tooling section of the quotation. The station is designed to accept razor slitting (in air or grooved roll), shear slitting and score slitting. In the case of shear slitting the proper idler/drive roll configuration to allow either "wrap" or straight through (kiss shear) slitting is provided.

The Shear and Score stations can be independent of each other and may be left in the machine eliminating the need to remove either system when either is used.

The Shear Knife system can be one of 3 systems:

1. Arbor mounted male and female knives are 60mm bore tooling and are set screw locked.
2. Dovetail mounted male knives on a common mounting bar for lateral side loading. Each male knife has independent depth control. The female knives are 60mm bore arbor mounted and set screw locked.
3. The Pneumatic knife system utilizes a triple action pneumatic system that locks, descends and side loads to the female knife. A gear and rack system allows simple and quick positioning to the female knife. Knife engagement can be controlled from the front and rear of the machine.

The tooling section of the quote will specify the knife system requested in this quotation.

Razor Holders Provided - 10 Pcs.

6.0 Rewind System

Duplex Cantilevered Rewind Mandrels will be provided. These mandrels are two inch diameter base mandrels to be loaded with Deacro's "camlock tooling" or "drive ring tooling". The rewind mandrels are fully supported during operation. The cantilevered rewind is best utilized by using camlock tooling. The "camlock" system eliminates the need for spacers (drive rings) between the cores as the core is gripped from the inside. Loading new cores or removing finished rolls simply requires a twisting action for gripping or release. This system allows for torque multiplying by adding additional camlocks to each rewinding roll while still maintaining a fully differential mode.

6.0 Rewind System (cont'd)

The rewind tooling is optional and is listed in the rewind options. For general purpose slitting a set of 2" wide spacers (item b2) and two camlocks per each rewind roll should be sufficient. Narrower width slitting requires dedicated width rewind spacers.

The Layon rolls are pneumatically controlled with the nip pressure being front panel regulated. Included with the layon arms are core adaptors (16 pcs.) for use with paper cores as layon rolls. This provides an adequate layon roll for certain products but where lighter films and higher speeds are required aluminum or urethane layon rolls provide a higher quality rewind and smoother operation. These rolls are optional and are quoted in the rewind options, item b5.

Rewind Dia. with Layon Rolls.
Pneumatic Layon Roller Sets

- 24 inches
- 6 sets
(3 upper, 3 lower)

Rewind Tension Control

- Microprocessor Controlled
- Fully Programmable
- Taper Tension

Differential Zones

- 2 Zones
- Pneumatically Activated

Rewind Shafts
Rewind Reversing

- 2" Dia. Hard Chromed
- Operator Selectable Through Touch Screen

PRICE: \$106,000.00 U.S. FUNDS

PLEASE NOTE:- THE ABOVE PRICE IS BASED ON AN EXCHANGE RATE OF 1.16
THIS PRICE IS SUBJECT TO CHANGE BASED ON THE
FLUCTUATION OF THE U.S. DOLLAR.

OPTIONAL FEATURES

Unwind Options

1. 3" I.D. x 6" O.D. Tidland Air Chucks
- to adapt from standard air shaft size
380.00 ea. 760.00/pr

Tooling Options

a) Slitting Tooling

1. Shear Knife Shafts 1 pc. @ 780.00 ea. 780.00
2. Shear Knife Tooling
 - 2.1 - Dovetail mounted male knives and arbor mounted female knives
 - Independent depth control on male knives
 - 60 mm bore, set screw locked female knives10 sets @ 340.00/set 3,400.00

b) Rewind Tooling

1. 3" dia. Camlock Tooling 20 pcs. @ 140.00 ea. 2,800.00
- internal core gripping tooling for 3" Cores
2. Spacer Set for 3" Camlock Tooling 1,230.00/set
- 2" wide x 3" O.D. Hard plated alum. spacers c/w phenolic drive discs
- 60 pcs. total
3. Precision Alum. Layon Rolls - 3 1/2" Dia:-
(Urethane Coated Layon Rolls Multiply Price by approx. 1.75)
 - 2 pcs. 36" @ 490.00 ea. 980.00
 - 1 pc. 52" @ 910.00 ea. 910.00

Miscellaneous Options

1. Line/Edgeguide System
- This is a price difference the standard edgeguide unit to a combination line/edgeguide unit
3,100.00 (extra)
 2. Isolation Transformer 1,680.00
 3. Unloading Trolley 2,400.00
- (Unloader Not Included) TOTAL OPTIONS:\$ 18,040.00
TOTAL BASE PRICE:\$ 106,000.00
TOTAL PACKAGE PRICE:\$ 124,040.00
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TAXES:
DUTY:
F.O.B.
DELIVERY:
TERMS:

ALL SALES TAXES EXTRA, IF APPLICABLE
ALL DUTY CHARGES EXTRA, IF APPLICABLE
OUR PLANT
12-16 WEEKS
30% UPON ORDER
30% SIXTY DAYS AFTER RECEIPT OF ORDER
BALANCE UPON COMPLETION TO THE CUSTOMERS
SPECIFICATIONS AND APPROVAL BY THE CUSTOMER
AT OUR PLANT
TRAINING IS INCLUDED WITH THE PRICE OF THE
MACHINE.

TRAINING:

**PLEASE SEE "CONDITIONS GOVERNING ALL QUOTATIONS"

DEACRO INDUSTRIES LTD.



EDB/af

Ed de Boer
President