



ALS Limited  
Converting Machinery Manufacturer

Mr. Richard Slafkovský  
**ALLMEDIA, spol. s r.o.**  
Pod gaštanmi 4  
821 07 Bratislava  
Slovakia

12th June 2020

Our Ref: E.9894

Dear Mr. Slafkovský,

Following your enquiry and the subsequent slitting trials, we have pleasure in quoting for the model **ALS 425 S-Tec** Automatic Log Slitting machine.

### ALS Automatic Log Slitter

#### ALS Model 425 S-Tec

The **425 S-Tec** slits logs of:  
Films foam, rubber, gasket material, polyester, polyethylene, paper, PVC, film, technical tapes, pressure sensitive tapes, non-wovens and textiles, self-adhesive materials and many other materials.



The working cycle is fully automatic except for the loading and unloading of the material.

### 1.0 Technical Specification

1.1	Maximum working width:	1650 mm/64"
1.2	Maximum outside diameter of the log:	<b>425 mm/16.7"</b>
1.3	Core size:	<b>75mm/3"</b> (other on request)
1.4	Slitting width:	1mm plus, increments of 0.1mm
1.5	Indexing tolerance:	+/- 0.05 mm
1.6	Electrical supply:	to suit local supply

**ALS Limited**  
Denington Court, Wellingborough, Northants NN8 2QR, England.  
Tel: (44) 1933 225755 Fax: (44) 1933 441476 e-mail: info@als.ltd.uk www.als.ltd.uk

## 2.0 Machine Features

- 2.1 A unique **twin spraying system** ensures **both sides** of the blade remain cool and lubricated during the slitting process. The amount of **spray or air is adjustable** from the main operator panel and can be adjusted while the machine is running. A fluid isolating valve ensures the fluid head is maintained at the spraying nozzle, this system guarantees the first cut is lubricated.
- 2.2 A **lubricant spray timer** can be set to run **continuously or intermittently** via the touchscreen. This timer can reduce the amount of lubricant used during the slit cycle to a minimum, this stops the rolls getting too wet.
- 2.3 The blade entry speeds are easily set by the operator to suit the material in process. A **proportional control valve allows three cutting speeds** through the material, set via the touchscreen programme. The machine can cut slowly through the outer layers, faster through the main part of the roll and slow down for the core if required.
- 2.4 The model **425 S-Tec** has a touch screen control for **3** cutting speeds through the material, blade driven or free rotating, **4** cutting widths, grinder settings. The large PLC has a large memory capacity storing up to **60,000** cutting programmes.



### Programme settings:

- (i) Blade speed.
- (ii) Log speed.
- (iii) Cutting rate through outer layers.
- (iv) Cutting rate through inner layers.
- (v) Cutting rate through the core.
- (vi) Blade status indicator (driven, free)
- (vii) Lubricant spray timer
- (viii) Width of cut (max. 4 different cut sizes per cycle)
- (ix) Pause timer
- (x) Sharpening sequence timer & frequency for each programme
- (xi) Batch counters
- (xii) Full diagnostics with written explanations on screen
- (xiii) Help pages to guide operators.
- (xiv) Automatic pivoting angle readout (see option)
- (xv) Maintenance schedule and reminders
- (xvi) Cycle time

Machine monitoring is available via the network connection.

- 2.5 3 KW variable speed mandrel drive with log speed set via the touchscreen.

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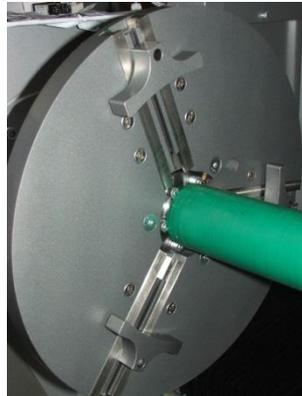
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- 2.6 5.5 KW variable speed blade drive set via the touchscreen.
- 2.7 A mandrel support is interlocked with the run circuit.
- 2.8 The cutting stroke is fully adjustable. Starting and stopping positions of the blade are set according to the size of blade being used.
- 2.9 A **roll counter** allows the operator to pre-select the number of rolls to be cut for each slit width, having reached this number the machine automatically stops.
- 2.10 The cutting slides and the carriage slides have bellows to protect them.
- 2.11 The 425 S-Tec has **full guarding** with approved circuitry interlocked with the automatic control sequence.
- 2.12 A guard for protection of the blade is manufactured from stainless steel and covers the blade tip during the loading and unloading sequence.
- 2.13 **Stainless steel splash tray and drip tray** to channel lubricant away from the cutting area.



### 3.0 Pneumatic Chuck for Gripping the OD of the Log



#### 4.0 Mandrel Type

- 4.1 76mm (3") pneumatic mandrel with partial expansion at the chuck end covered with plastic cutting sleeves. **Automatic shaft inflation** linked with the cut cycle.

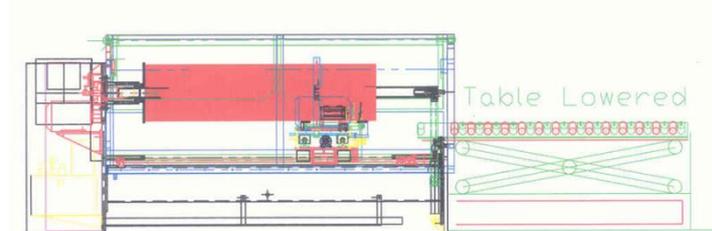
#### 5.0 Blade Assembly

- 5.1 Driven blade unit with the option to either operate in drive or free rotating mode. This is dependent on the material being slit and the width. Maximum blade diameter is 500mm. The axis of the blade is manually adjustable.

#### 6.0 Price

	<b>ALS 425 S-Tec as above:</b>	<b>£55,950</b>
6.1	<b>Automatic blade sharpening</b>	<b>£ 3,395</b>
6.2	<b>Automatic pivoting blade angle</b>	<b>£ 2,150</b>
6.3	<b>Power operated mandrel support</b>	<b>£ 2,100</b>
Additional Options:		
6.4	<b>Powered lifting guard</b>	<b>£ 2,200</b>
6.5	<b>Lazer pointer</b>	<b>£ 730</b>
6.6	<b>Blade chiller</b>	<b>£ 1,100</b>
6.7	<b>Lubricant level detection</b>	<b>£ 300</b>
6.8	<b>Digital setting of slitting positions 1,2,3 - HD option</b>	<b>£ 1,870</b>
6.9	<b>Auto blade measurement and setting over pivot point – HD option</b>	<b>£ 2,880</b>

- 6.10 **Loading Table** with two sets of rollers mounted in a "V" formation. The table is adjustable in height using a hand operated hydraulic pump. **£8,600**



6.11	Transport cost from Wellingborough	<b>£ TBA</b>
6.12	<i>Commissioning and operator training £900 per day excluding travel/living costs - Available under normal conditions</i> During this time we provide an instruction manual and training film. Prior to despatch we can set the optimum slitting conditions for your material into the machine memory. We are also available for guidance and advice via telephone and video call to help you achieve perfect slitting results and gain the most from your ALS slitting machine.	

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## **7.0**    **Terms**

7.1    **30 %**    with order.

7.2    **70 %**    after acceptance trials in our works and/or prior to delivery. Payments by Bank Transfer.

## **8.0**    **Delivery**

8.1    12- 14 weeks from receipt of order and deposit payment.

## **9.0**    **Warranty**

9.1    12 months for manufactured parts, for bought out parts we extend our suppliers guarantee. Freight at cost. Charges for engineers time working and travelling will be at our standard rate. Travel and living expenses will be charged for at cost. The warranty is effective provided only ALS original consumables and spare parts are used. The warranty does not cover breakages/misuse. Free telephone support for advice on cutting conditions is available. Warranty is invalidated if the machine is not commissioned by an ALS engineer.

## **10.0**   **Exclusions**

10.1    Packing and delivery to your works.

10.2    Unloading and positioning in your works.

10.3    Electrical and pneumatic connection.

10.4    Operator training and commissioning.

10.5    Customs clearance

## **11.0**   **Validity**

11.1    This offer is valid for 60 days from date above.

I trust this quotation meets with your approval and look forward to discussing the project with you further.

Yours sincerely,

**John B. Lack**