

**Fife-Tidland GmbH**65779 Kelkheim Max-Planck-Straße 8
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Mr. Khurram Chishti Saeed
Street 5135, Building 1051
Block 951 Askar
BAHRAINDate: **02.05.2013**
Contact: **Robert Salbert**
Phone: **+49 6195 7002-139**
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Phone: **+961 3 703444**
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Email: **ghage@xolautomation.com**Please always quote:Quotation: **11127787** Rev: **0**
Customer: **338114**
Page: **1 of 7****QUOTATION**Inquiry No: **Full automatic Slit positioning – MSP-A**
Inquiry Date: **02.05.2013**

Mr. Khurram Chishti Saeed

We thank you for your inquiry and have the pleasure in submitting our quotation based on our General Conditions of Sales (available for download on our website www.maxcess.eu/agb.html or upon request) as follows.

Item	Quantity	Unit	Description	Unit Price	Total Price
1,0	1	Pcs	M000007 * MSP-E System <u>TIDLAND Slitting Solution:</u>	179.750,00 EUR	179.750,00 EUR
			automatic System Actuator MSP-A-PS3		
			<u>to be used under following technical Parameter:</u>		
			<u>Material data:</u>		
			Material:	Tissue	
			Spezific weigth/thickness:	13,5-40 g/m ²	
			Amb.Temperature:	? °C	
			<u>Process data/machine data:</u>		
			Machine size		
			Inside frame width [given]:	~2500 mm	
			Inside frame width [required]:	3000 mm incl. parking space	
			Web width [min./max.]		
			raw:	2990-2310 mm	
			trimmed:	2300 mm	
			Slit width		
			max:	2300 mm	
			min:	160 mm	
			Line speed :		
			max:	1750 m/min	
			min:	500 m/min	
			Slitting methode:	shear cut [tangential]	
			Web path:	A / B	
			No. of slits:	11	
			Positioning:	automatic – WebIN	
			Knifeholder type:	PSA	
			Knifeholder size:	class 3	

???



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Our knifeholder selection is based on your specification.
 Final judgement of the slit quality can only be given after testing the original material to be provided by the customer.

TIDLAND automatic Slitting Solution consist of:

* a fully automatic slit positioning system.
 The top and bottom knives (knifeholder) will be independently positioned by 2 special positioning actuator units. All knives of a section (bottom or top unit) will be positioned after each other. A high speed synchronous positioning of all slits the same time is available for an MSP-E positioning system.

1x Pair of Mounting Frame:

The Tidland side frame are specially designed for the requirements of the slitting solution. Within the side frame the mounting of the knife holder beam and the bottom shaft will be realised as well as other required components [e.g. cable management, positioning actuator, etc...]. The mounting frames are designed to be mounted into the main machine frame.

Frame:

Size: ???x??? mm
 Colour: RAL ????

2x Knifeholder beam for linear rail:

The Tidland Knifeholder beam is suitable for mounting the special linear rails required for precise automatic positioning onto on which the knifeholder carriages will be automatically positioned by the positioning actuator. Required automatic positioning components as cable management and positioning actuator are mounted onto the beam as well.

1x Beam for top knife unit incl. rail:

Length: ~3000 mm
 Colour: RAL ????

Linear rail [knife carriage]: ~2900 mm
 2 rail system

Linear rail [positioning actuator]: ~2990 mm
 2 rail system

1x Beam for bottom knife unit incl. rail:

Length: ~3000 mm
 Colour: RAL ????

Linear rail [knife carriage]: ~2900 mm
 2 rail system

Linear rail [positioning actuator]: ~2990 mm
 2 rail system

TIDLAND top knife section:

The Tidland top knife section consisting of the top knives, knife holder, knifeholder carriage and top knife positioning unit.

11x Top knife carriages for automatic positioning:

The Tidland carriage assembly includes the knifeholder units, a pneumatic operated negative brake assembly and all further required components as pneumatic/ electric connections, linear rail bearings and linking features for positioning actuator and thru cable management. The Tidland knifeholder carriages will be positioned by linking with a special positioning actuator unit. This positioning ensures a safe and precise positioning of each top knife unit.

TIDLAND Knifeholder for shear cut

The patented Tidland 'Performance' knife holder includes a unique three stage function control (only automatic version), **automatic** half stroke feature for easy and fast manual positioning against bottom knife. As well as a quick change cant angle key, removable / reversible swing blade cartridge, dust-proof design and modular knife holder mount. Combined, these features take the burden off the operator, reduce downtime and setup,

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			and can increase safety and slit quality.		
			PSA3(0.50)S-7L/R-M		
			Knifeholder type: A Automatic		
			Knife diameter: 3 class 3 = 200 mm		
			Cant key: 0.50		
			Cartridge: S S = Swing		
			360° pneumatic blade guard is optional available.		
			Web path: A / B		???
			Slitting side: L / R L/R = left / right beside bottom blade		
			Blade material: Std X155 CrVMo 121 (Standard)		
			Blade profile: 25° standard grind angle		
			Other special blade types are available on request.		
			Minimum slit width: 50,0 mm [knifeholder]		
			Use minimum 5µm filtered, oil and water free, regulated air.		
			Please find within the technical documentation further data and specifications.		

TIDLAND Bottom knife section:

The Tidland bottom knife assembly is consisting of the bottom knife carriage, bottom knife drive and bottom knife.

11x Bottom knife carriages for automatic positioning:

The Tidland carriage assembly includes the bottom knife rings, a pneumatic operated negative brake assembly and all further required components as pneumatic/ electric connections, linear rail bearings and linking features for positioning actuator and thru cable management. The Tidland bottom knife carriages will be positioned by linking with a special positioning actuator unit. These positioning ensures a safe and precise positioning of each top knife unit.

TIDLAND bottom knife unit – "Single Drive"

The bottom knife unit single is designed for minimum slit width of 150mm.

The bottom rings are each driven by its own AC-motors

Bottom knife

Knife ring diameter: 250 mm
Blade material: X155 CrVMo12-1

Bottom knife motor

External rotary motor: 400V 50Hz
Power: 0,23 kW; 0,56A

2x TIDLAND Knife positioning unit:

Special motorised Tidland positioning unit for an automatic positioning of the knife carriages (either upper unit or lower unit). The positioning unit runs on a separate linear rail system. The positioning is realised by linking into the carriages and moving them onto the new position.

2x TIDLAND Cable management system:

The Tidland cable management system is designed of pneumatic hoses for the knifeholders and the carriage brakes, as well as the electrical cables for the actuator units. All pneumatic and electric cables are guided in flexible plastic chains which allows the carriages

- a) an unrestricted movement on the linear rails and
- b) a longer life span of the supply lines.

The plastic chains are between cover plates to prevent mechanical damaging.

Electronic Cabinet:

In order to adjust the speed of the anvil drive, the frequency and the voltage of the motor power is controlled by an AC-Drive Cabinet. As well as to control the servo motor to move the knife positioning carriage to the desired position. The cabinet is homing the Touchpanel HMI.

Speed input signal: 0-10V / 4-20mA ???
Power supply: 3 Phase 400V/50Hz
Cable length: ~10 m
Cabinet colour: RAL ????

Cabinet dimensions (l,w,d) ??? x ??? x ??? mm

Pneumatic Cabinet:

Pneumatic cabinet to control the knifeholder, brake and positioning unit.



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Item	Quantity	Unit	Description	Unit Price	Total Price
			Hose length:	~10 m	
			Cabinet colour:	RAL ????	???
			Cabinet dimensions (l,w,d)	???? x ??? x ??? mm	

2x Idler Roll

Tidland idler roll for assisting the web before and after the cutting section. The idler rolls are intent to create a proper slitting table necessary for a tangential slitting method.

Idler Rolls:

Material:	Aluminium
Type:	standard
Surface:	hard coated
Outer diameter ø:	~150 mm
Working width:	2400 mm
Total length:	~3000 mm
Balancing at (Q = 6,3):	1750 m/min
Position:	Entry & Exit

1x TIDLAND Operator Interface incl. special TIDLAND Software

Touchpanel with special Tidland MSP-A software for an easy and fast handling of the automatic positioning system. The operator can easily monitor which knives are active, which exceed the pre-defined life time or which are locked for operation or further technical/operational data. Due to the clear arrangement of the user interface a fast and easy handling is given from the first contact onto. Unsing the special Windows based touchpanel operating system study timefor a safe handling is kept as low as possible. There are also a lot of usefull and easy to use features beyond this. The Touchpanel is integrated in the electric cabinet.

Disclaimer:

Our knife holder selection is based on your specification. Final judgement of the slit quality can only be given after testing the original material provided by the customer.

The delivery time is valid after receipt of the order and after all engineering specifications have been clarified. In case of order customer wil receive a confirmation drawing which need to be agreed by customer before production starts. It is based on today and could be changing if the order or the contents of the order is changing.

All parts not named are not included in this offer. Such as: On-site measurement, winder modification, site preparation, plant wiring or pneumatics up to installation point, trim removal system, installation support or installation labour, drive reference signal, optical alignment, 360° blade guard.

DELIVERY TIME: 16 Week(s)

1,5	1	Pcs	M200569	0,00 EUR	0,00 EUR
			* Assembly Instructions / Operator Manual and Declaration of Incorporation according to the machinery directive 2006/42/EC in english language with the delivery		

DELIVERY TIME: 16 Week(s)

1,6	1	Pcs	M211482	0,00 EUR	0,00 EUR
			* Assembly Instructions / Operator Manual and Declaration of Incorporation according to the machinery directive 2006/42/EC in german + english language on CD with the delivery		



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DELIVERY TIME: 16 Week(s)

2,0	11	Pcs	M000006	152,50 EUR	1.677,50 EUR
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*
 Optional Parts
 360° pneumatic blade guard
360° pneumatic blade protection:
 Due to a safe handling of the knife holder Tidland offers a special
 360° pneumatic blade protection.

qualified for knifemaker type: Performance Automatic class 3

Price offered is only valid if ordered together with knifemaker from pos.1.0

DELIVERY TIME: 4 Week(s)

3,0	1	Pcs	M100760	3.782,00 EUR	3.782,00 EUR
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*
 Pre-Service for Measurement
 on Site

Service visit Pre-Service

Review and verification of construction and engineering works done so far
 with respect to local conditions and aims of the contract

System according to reference number: 11127773

Planned date for service visit: ?? / ?? / 2013

On Site Customer: Kimberly Clark / Askar / Kingdom of Bahrain

We kindly request any variation of the planned service date to be informed immediately
 to Fife-Tidland, in order allow for a prompt rescheduling of the Service Engineer
 involved.

Work & Waiting times

Duration of service included in the price agreed:

- Service Engineers involved: 1
- Working time 8,0 hours

List of planned service activities on site:

- Measurement on site included
- Consultancy for best system integration included

Travel time and cost

Duration of service travel time and cost included in the price agreed:

- Travel cost:
 - Travelling from/to Airport included
 - Flight by customer
 - Local transportation by customer
- Accommodation cost:
 - Hotel costs included
 - Meals / Daily allowance included

All working/waiting time exceeding the agreed time frame will be invoiced at the current
 Fife-Tidland service rates (copy of the rates attached).

NOTE - Normal working time are considered 8 hours between 7:00 - 18:00 on normal working
 days (Mon-Fri, festives excluded).

For additional hours and work on weekends and public holidays additional charges are applied.



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Alternatively all costs could be charged according to Fife-Tidland service rates and spend expenses (Hotel, flight, work & waiting time, ...)

Upon placement of the order, the principal undertakes, in terms of Work Safety Regulations, to formally alert the Fife-Tidland GmbH employee as to the specific hazards of the work area in which he will work and keep a record of when this instruction took place.

DELIVERY TIME: 4 Week(s)

FOR CONDITIONS TECHNICAL SERVICES RENDERED FROM FIFE -TIDLAND GmbH,

01.01.2013 EURO

For Start up, repair, and training at customers or for other requested technical assistance (Slitting)

Working time:

Normal hours from Monday to Friday max. 8 hours from:	7:00	to	17:00 hrs
	per hour		90,50 €
Overtime hours from Monday to Friday from:	17:00	to	22:00 hrs
	per hour		135,75 €
Overtime hours from Monday to Friday from:	22:00	to	7:00 hrs
	per hour		181,00 €
Working hours on Saturday from:	7:00	to	21:00 hrs
	per hour		135,75 €
Overtime hours on Saturday from	21:00	to	7:00 hrs
	per hour		181,00 €
Working hours Sunday and holidays	0:00	to	24:00 hrs
	per hour		181,00 €

All Waiting time will be charged as working time.

Travel time:

Normal travel time from Monday to Friday max. 8 hours from:	7:00	to	17:00 hrs
	per hour		83,00 €
Travel time from Monday to Friday from:	17:00	to	22:00 hrs
	per hour		124,50 €
Travel time from Monday to Friday from:	22:00	to	7:00 hrs
	per hour		166,00 €
Travel time on Saturday from:	7:00	to	21:00 hrs
	per hour		124,50 €
Travel time on Saturday from	21:00	to	7:00 hrs
	per hour		166,00 €
Travel time on Sunday and holidays	0:00	to	24:00 hrs
	per hour		166,00 €

Travel expenses:

Travel by car:	per km	0,85 €
Daily rate in Germany, less than 8 hour service:	per service	30,00 €
Daily rate in Germany, for several days visit and more than 8 hours:	per day	44,00 €
Daily rate in EU countries and Switzerland:	per day	53,00 €
Daily rate outside EU countries:	per day	77,00 €

All Other costs will be charged according to actual cost, for example hotel, flight + excess baggage,

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taxi, rent a car, visa and public transport.

All charges are net, no deduction allowed.
VAT charges are shown separately.

Total Net Value:	Amount of surcharge:	Amount excl. VAT:
185.209,50 EUR	0,00 EUR	185.209,50 EUR

Terms of Delivery: Ex-Works excluding packaging
Shipment by: Best way
Terms of Payment: See below**Payment plan**

Item	Amount	Term of payment
0	27.781,43 EUR	15% at order
1	74.083,80 EUR	40% at agreement of confirmation drawing
2	55.562,85 EUR	30% before delivery
3	27.781,42 EUR	15% 30 day net after installation max. 60 day net after delivery

Shown prices are valid for 90 days from offer dateYours faithfully
Fife-Tidland GmbH

Robert Salbert

Electronically issued – Valid without signature.

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