

New Truetzschler BO-P scores over in Coimbatore Polytex

MUMBAI, JUNE 17—

The Premier Mills Group is a long established and well-known manufacturer and exporter of fine combed cotton yarn, producing over 18 million kg of fine combed cotton yarn every year. One of the units of the Group is Coimbatore Polytex Pvt. Ltd. They export to over 40 countries across the world, including Australia, Brazil, Finland, Germany, etc.

Recently the Group purchased a new automatic bale opener BO-P from Truetzschler for Coimbatore Polytex. Here is what Mr. Rohit Rajendran, Executive Director of the Premier Group, had to say about this product.

Q: Can you please give us a brief about Coimbatore Polytex Pvt. Ltd.?

MR. RAJENDRAN: Coimbatore Polytex started manufacturing 100% cotton yarn in 1991. It was the first 100% EOU spinning mill in South India, and was the first to employ women apprentice workers. Coimbatore Polytex is part of the Premier Mills Group.

Q: How large is this mill and what kind of yarn do you spin?

MR. RAJENDRAN: We have 42,000 spindles manufacturing knitting yarn in the count range Ne30-Ne40, and the production is 16 tons per day.

Q: What are the main reasons you have chosen Truetzschler as your technology partner for so many years?

MR. RAJENDRAN: Coimbatore Polytex enjoys a good relationship with Truetzschler since inception; the plant started operations with DK760 cards and has continued to buy Truetzschler cards with the TC15 being installed recently. Truetzschler is very responsive to customers' needs and keeps introducing innovations.

Q: Are you satisfied with the performance of the latest bale opener BO-P that is installed in your unit?

MR. RAJENDRAN: Yes, the performance is good. It is still early days as it is commissioned recently, but the report from the technicians is very good.

Q: Could you tell the advantages of the new BO Portal over the earlier automatic bale opener which you had of another make?

MR. RAJENDRAN: The BO Portal is the safest automatic bale opener introduced so far in the textile industry. It can be commissioned very quickly, and the maintenance needs are minimal

Q: What are your views of A.T.E., as a single window solutions provider?

MR. RAJENDRAN: A.T.E. has the best principals in the textile industry, and the sales and service is handled with a lot of maturity. When A.T.E. is behind a principal, we are confident of working with that principal with whom we may have had no prior relationship.

Textile Minister Smriti gets longest applause while taking oath as LS member

Union Textile Minister, Smriti Irani, who defeated Congress President Rahul Gandhi in Amethi, received the longest applause when she took oath as member of the 17th Lok Sabha on Monday.

As soon as she was called for oath taking, ruling BJP members, including Prime Minister Narendra Modi, Home Minister Amit Shah, other union ministers and MPs were seen enthusiastically thumping the desk for a long time. After taking oath in Hindi, Irani greeted protem Speaker Virendra Kumar and also opposition leaders, including Rahul Gandhi's mother and UPA chairperson Sonia Gandhi, who reciprocated the greetings with a namaste gesture.

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Shipments of new textile machinery saw mixed trends in 2018: ITMF

By Our Staff Reporter

MUMBAI, JUNE 17—

Global shipment of new short-staple spindles and open-end rotors increased by +1.5% and +13% in 2018, respectively. The number of shipped draw-texturing spindles rose by +50% and deliveries of shuttle-less looms improved by +39%. Shipments of long-staple spindles, circular knitting machines, and electronic flat knitting machines decreased by -27%, -4% and -20%, respectively. In the finishing segment, the sum of machines shipped worldwide in the category "fabric continuous" and "fabric discontinuous" fell by -0.5% and -1.5% year-on-year, respectively.

These are the main results

of the 41th annual International Textile Machinery Shipment Statistics (ITMSS) just released by the International Textile Manufacturers Federation (ITMF). The report covers six segments of textile machinery, namely spinning, draw-texturing, weaving, large circular knitting, flat knitting and finishing. A summary of the findings for each category is presented below. The 2018 survey has been compiled in cooperation with more than 200 textile machinery manufacturers representing a comprehensive measure of world production.

SPINNING MACHINERY

The total number of shipped short-staple spindles increased by about 126'000 units

to a level of 8.66 million. Shipments increased for the second consecutive year, but the global trend slowed down. Most of the new short-staple spindles (92%) were shipped to Asia & Oceania where delivery decreased by -2%. The most dynamic destinations recorded in 2018 were Korea, Rep, Turkey, Vietnam and Egypt with increases of +834%, +306%, +290%, +285%, respectively. The six largest investors in the short-staple segment were China, India, Uzbekistan, Vietnam, Bangladesh, and Indonesia.

Global shipments of long-staple (wool) spindles decreased from 165'000 in 2017 to nearly 120'000 in 2018. This effect was



mainly driven by a drop in deliveries to Asia & Oceania (-48'000 units). This region remained the strongest destination for this type of machinery but deliveries to China and Iran dropped by -60%. The biggest investors were Turkey, Iran, China, Italy, and

Continued on Page 4

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in hall H7/
booth A101 –
come and see

From Melt to Yarn,
Fibers and Nonwovens

Oerlikon Manmade Fibers Segment with the product brands Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven is the world market leader for filament spinning systems, texturing machines and BCF carpet yarn, staple fiber spinning as well as nonwovens solutions. For further information visit us at www.oerlikon.com/manmade-fibers

Welcome to Oerlikon – let's talk about the future in hall H7/booth A101.

RELIANCE

RIL - PSF

0.8 Semi Dull	99-65
1.0 Semi Dull	97-00
1.2 Semi Dull	96-25
1.4 Semi Dull	95-50
2.0 Semi Dull	95-50
1.2 Super HT Brt	100-90
1.2 S HT (OW)	104-60
1.2 Optical White	100-90
1.2 Super Black	111-70
1.4 Super Black	110-70
Tow Normal	111-20
Tow TBL	121-00
Tow Super Black	125-65
2.0/2.5 TBL	98-70

RIL - POY

Basic Price per Kg. (Plus GST Extra)

126/34 SD	-----
122/72 SD	-----
250/48 SD	-----
51/14 SD	-----
160/72 Brt	-----
235/72 Brt	-----

RIL - PTY

Ex-Factory

Basic Prices

(Freight and GST Extra)

75/34 SD HIM	-----
75/34 SD NIM	-----
155/48 SD HIM	-----
155/48 SD NIM	-----
81/72 FD HIM	-----
81/72 CD IM	-----
75/108 SD IM	-----

RIL - FDY

Carton Ex-Factory

Basic Prices

(Freight and GST Extra)

70/36 SD	-----
50/24 SD	-----
50/36 Brt	-----
75/36 Brt	-----

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150/48 Brt -----

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GREY

ALOK

INDUSTRIES

62/36 SIM	136.00
75/34 NIM WEAVING	125.00
75/34 NIM KNITTING	128.00
80/48 IM	128.00
80/72 SIM	128.00
80/72 HIM - Even	129.00
75/108 SIM - Uneven	128.00
75/108 SIM	133.00
75/108 HIM	134.00
75/34 NIM BLACK DD	130.00
80/72 HIM BLACK DD	133.00
100/36 NIM	123.00
100/36 HIM	125.00
100/36 HIM BLACK DD	132.00
100/108 SIM	131.00
100/144 SIM	136.00
150/48 NIM	118.00
150/48 HIM	121.00
150/300 TWISTED	139.00
150/300 TWISTED BLK	145.00
150/48 NIM BLACK DD	123.00
150/48 HIM BLACK DD	126.00

150/48 IM BLACK DD	125.50	75/72/SD ROTO	119-00
150/108 SIM	122.00	75/36 NIM	116-00
150/108 HIM	123.00	75/36 HIM	118-00
300/72 NIM	117.00	75/108/MICRO	124-00
300/72 IM	118.50	150/288/MICRO	118-00
300/72 HIM	119.00	150/288 SIM	116-00
320/72X2 HIM	120.00	150/288 DOUBLE SIM	118-00
450/96 HIM / SIM	121.00	100/144/MICRO	124-00
300/96 NIM BLACK DD	122.00	150/48/BL ROTO	124-00
300/96 HIM BLACK DD	124.00	150/48/ROTO	112-00
300/96 IM BLACK DD	123.50		
300/96X2 IM BLACK DD	124.50		
220 EASY	145.00		
360/73/1 EASY YARN	144.00		
330/73/1 EYC	153.00		
100/72 HIM SBR	132.00		
150/48 HIM SBR	125.00		
300/144 SIM SBR	121.00		
300/144 SIM SBR BDD	127.00		
300/144X2 SIM SBR	123.00		
450/192 SIM SBR	124.00		
MIX YARN JOB LOT	90.00		

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WELLKNOWN

80/108/MICRO	124-00	160/DEN DISCAT	126-00
80/34/ ROTO	120-00	80/108 MIC TW	146-00
80/72/ CATONIC	136-00	80/34/ROTO TW	142-00
80/72/ D CAT	137-00	80/72/FD TW	146-00
80/72/FD ROTO	124-00	80/72/D FD TW	147-00
80/72/D/FDRO	125-00	80/72/CAT TW	158-00
80/34/BL ROTO	125-00	80/72/D CAT TW	159-00
80/72/BL ROTO	126-00	80/72/BL TW	150-00
80/72/DBL ROTO	127-00	80/72/D BL TW	151-00
80/72/ ROTO	120-00	150/48 ROTO TW	134-00

JB

Ecotex LLP

Recycled HT PSF (Ex-factory / All taxes extra)

1.4 DENIER		1.2 DENIER	
Off White	72-00	Off White	74-00
Milky White	75-00	Milky White	77-00
Black	80-00	Black	82-00

GIMATEX INDUSTRIES

GST APPLICABLE : COTTON YARN @ 5% & SYNTHETIC YARN @ 12%.

COTTON YARNS

QUALITY	BASE RATE
1/20 COTTON OE	162.00
1/30 COTTON	219.00
1/40 COTTON	239.00
1/50 COTTON	263.00
1/60 COTTON	293.00
2/30 COTTON	243.00
2/40 COTTON	272.00
1/30 COTTON COMPACT	224.00
1/32 COTTON COMPACT	229.00
1/40 COTTON COMPACT	246.00
1/50 COTTON COMPACT	274.00
1/20 KW SPANDEX	224.00
1/30 KW SPANDEX 40D	270.00
1/30 CW SPANDEX 40D	274.00
1/40 CW SPANDEX 40D	327.00
1/50 CW SPANDEX 40D	383.00

POLY./VISC. YARNS

QUALITY	BASE RATE
1/20 100% POLY.	141.00
1/30 100% POLY.	150.00
1/40 100% POLY.	168.00
2/30 100% POLY.	166.00
1/30 P/V 65/35	172.00
1/30 P/V 52/48	180.00
1/40 P/V 65/35	190.00
1/45 P/V 48/52	215.00
1/40 P/V 65/35 H.T.	203.00
1/45 P/V 65/35	203.00
2/30 P/V 65/35 T.F.O (17 TPI)	190.00
2/30 P/V 65/35 T.F.O (NOR)	185.00
2/40 P/V 65/35 T.F.O (19 TPI)	210.00
2/40 P/V 65/35 T.F.O (NOR)	205.00
2/50 P/V 65/35	253.00
2/60 P/V 65/35	278.00

SLUB YARNS

QUALITY	BASE RATE
1/30 COTTON K SLUB 8009	220.00
1/30 COTTON c SLUB 8012	238.00
1/30 COTTON K SLUB 8013	240.00
1/40 100% POLY. MAGIC	177.00
1/30 P/V 65/35 MAGIC	184.00
1/40 P/V 65/35 MAGIC	207.00
1/15 VISCOSE SLUB	214.00
1/25 VISCOSE SLUB	224.00
1/30 VISCOSE SLUB	229.00
1/49 VISCOSE SLUB	250.00

DOUBLE SPANDEX

QUALITY	BASE RATE
2/30 P/V 65/35 SPANDEX	247.00
2/40 P/V 65/35 SPANDEX	282.00
2/30 P/V BK 65/35 SPANDEX	284.00
2/40 P/V BK 65/35 SPANDEX	337.00

VISCOSE YARNS

QUALITY	BASE RATE
1/30 VISCOSE RS / MVS	210.00
1/40 VISCOSE RS / MVS	230.00
1/30 VISCOSE RS HT (30 TPI)	242.00
2/30 VISCOSE RS	230.00
2/40 VISCOSE RS	259.00
1/60 VISCOSE RS	309.00

MODAL / TENCEL

QUALITY	BASE RATE
1/30 BIRLA MODAL	282.00
1/40 BIRLA MODAL	304.00
1/60 BIRLA MICRO MODAL	384.00
1/30 TENCEL	310.00
1/30 EXCEL	282.00
1/40 TENCEL	330.00
1/40 EXCEL	302.00

POLY/COTTON YARNS

1/30 P/C K 67/33	177.00
1/40 P/C K 65/35	197.00
2/30 P/C K 67/33	195.00
2/40 P/C K 65/35	219.00
1/30 P/C C 67/33	185.00
1/40 P/C C 65/35	204.00
2/30 P/C C 67/33	202.00
2/40 P/C C 65/35	228.00

POLY / COTTON MELANGE

YARNS

QUALITY	BASE RATE
2%	
1/40 P/C K 30/70	240.00
1/30 P/C K 30/70	223.00
1/24 P/C K 30/70	214.00
12%	
1/40 P/C K 30/70	242.00
1/30 P/C K 30/70	225.00
1/24 P/C K 30/70	216.00

BLACK AND MELANGE

YARNS

QUALITY	BASE RATE
1/30 P/V 65/35 BLACK	193.00
1/40 P/V 65/35 BLACK	222.00
2/30 P/V 65/35 BLACK	201.00
2/40 P/V 65/35 BLACK	231.00
2/50 P/V 65/35 BLACK	281.00
2/30 P/V 65/35 BLACK SLUB	231.00

DOUBLE SPANDEX

2/30 P/V 65/35 SPANDEX	247.00
2/40 P/V 65/35 SPANDEX	282.00

National Textile Corporation

(EX-MILL RATE IN KG)

MAHARASHTRA REGION

COTTON

2/40 Carded (A)	246-00	29 Carded (Auto Cone)	193-00
46 Carded (A)	232-00	34 Carded (Auto Cone)	200-00
40 Carded Compact (A)	219-00 to 222-00	42 Carded (Auto Cone)	217-00
2/40 Carded Compact (A)	250-00	46 Carded (Auto Cone)	232-00
50 Carded Compact (A)	238-00	48 Carded (Auto Cone)	225-00
60 Carded Compact (A)	253-00 to 256-00	60 Carded - (A)	253-00
2/60 Carded Compact (A)	304-00		
36 Combed	221-00		
50 Combed Compact (A)	254-00		
67 Combed Compact (A)	276-00		
80 Combed Compact (A)	-----		

100% Polyester Yarn

60 100% Poly	168-00 to 169-00	30 PV (65/35 Auto Cone)	-----
60 100% A	172-00	40 PV (65/35 Auto Cone)	171-50
62 100% A	169-00 to 173-00		
62 100% EYC	172-00		
65 100% A	-----		
76 100%	-----		
2/76 100%	246-40		

Grey Blended Polyester Cotton Yarn

30 PC (70/30)	155-50		
30 PC (70/30 Auto Cone)	157-50		
47 PC (67/33 (A))	168-00		
52 PC (70/30 (A))	176-00		
56 PC (70/30 (A))	182-50 to 184-50		
60 PC (70/30)	178-00		
60 PC (70/30) Auto Cone)	180-00		
2/60 PC (70/30)	226-00		
30 PC (67/33)	156-50		
30 PC (67/33) A	158-00		
2/30 PC (67/33)	177-00		

100% Polyester Yarn (High Twist)

45 Poly HT (TPI 35 Auto Cone)	195-00		
50 Poly HT (TPI 38 Auto Cone)	201-50		
60 Poly HT (TPI 38 Auto Cone)	221-50		
70 PSF 100% HT -TPI 38(EYC)	221-00		

GUJARAT REGION

Grey Cotton Yarn on Cone

40 Carded (A)	218-00		
40 Carded Compact (A)	222-00		
50 Carded Compact (A)	239-00		
36 Combed	221-00		
60 Combed (A)	-----		
60 Combed Compact (A)	-----		

MADHYA PRADESH REGION

Grey Cotton Yarn on Cone

29 Carded (Auto Cone)	193-00		
34 Carded (Auto Cone)	200-00		
42 Carded (Auto Cone)	217-00		
46 Carded (Auto Cone)	232-00		
48 Carded (Auto Cone)	225-00		
60 Carded - (A)	253-00		

Grey Blended Polyester Cotton Yarn

30 PC (70/30 Auto Cone)	158-00		
40 PC (70/30 Auto Cone)	168-00		
56 PC (70/30 Auto Cone)	187-00		

POLYESTER VISCOSE YARN

30 PV (65/35 Auto Cone)	-----		
40 PV (65/35 Auto Cone)	171-50		
8 PC 70/30 (A) Slub	165-50		
29 PV 65/35 (A) Slub	167-00		
38 PV 65/35 (A) Slub	181-00		
40 PV 65/35 (A) Siro	-----		

SLUB / SIRO YARN

WEST BENGAL REGION

Grey Cotton - Yarn on Cone

60 Carded Hosiery (Auto Cone)	253-00		
40 Carded Hosiery	209-00		
44 Carded (A)	222-00		

Art-Silk

EX-BHIWANDI EXCLUDING GST

INDIAN RAYON	150 Brt	----	
60 Brt	550-00	225 Brt	----
75 Brt	479-00	300 Brt	----
100 Brt	388-00	450 Brt	----
120 Brt	364-00		

KEN ENTERPRISES

Ichalkaranji (prices excluding GST)

Quality	Weave	Composition	Ex-Mill Rate/Meter
100s x 100s / 227 x 150 - 63"	4/1 Satin	100% Cotton	129.00
100s x 100s / 92 x 88 - 63"	1/1 Plain	100% Cotton	59.50
80s x 80s / 170 x 120 - 63"	1/1 Plain	100% Cotton	91.00
80s x 80s / 92 x 88 - 63"	1/1 Plain	100% Cotton	54.50
70s x 90s / 92 x 104 - 63"	1/1 Plain	100% Cotton	62.00
60s x 60s / 92 x 88 - 63"	1/1 Plain	100% Cotton	51.50
60s x 60s / 92 x 88 - 67"	1/1 Plain	100% Micromodal	72.00
50s x 50s / 132 x 72 - 63"	1/1 Plain	100% Organic Cotton	74.00
40s x 40s / 124 x 72 - 63"	Dobby	100% Viscose	70.25
20s x 10s / 100 x 48 - 63"	Oxford	100% Cotton	87.00

GREY CLOTH
PEE VEE TEXTILES LTD.100 % COTTON FABRIC
(ALL COMBED COMPACT YARN)

Quality	Weave	Exmill Rate GST /Mtr + for Normal Cotton	100% BCI Cotton Fabric
40 Compact x 40 Compact / 124 x 94 - 63"	1/1	78.50	81.50
60 Compact x 60 Compact / 92 x 88 - 63"	1/1	56.50	59.50
40 Compact x 40 Compact / 130 x 73 - 67"	2/1	75.00	78.00

100 % ORGANIC COTTON FABRIC

Quality	Weave	Width (inches)	Exmill Rate + GST /Mtr
40 x 40 / 124 x 70	1/1	63"	75.50
30 comp x 30 comp / 124 x 72	1/1	63"	89.50

STRETCH FABRIC (ON LOOM)

Quality	Weave	Reed Space	Exmill Rate + GST /Mtr
30 x 20 Ly / 160 x 90	Dobby	73"	144.00
40 comb x 30 Cw + 20 Cw Ly (40D) / 180 x 120	dobby	74"	146.00
30 comb x 20 Lycra / 126.62 on Loom	2/1Twill		100.00

JACQUARD DESIGN FABRIC

Quality	Weave	Reed Space	Exmill Rate + GST /Mtr
50 Comp x 50 Comp / 144 x 94 (On Loom)	Jacquard	65"	116.00
60 Comp x 60 Comp / 176 x 116	Jacquard	65"	133.00

CUT-CORDUROY FABRIC

Quality	Weave	Reed Space	Exmill Rate + GST /Mtr
20OE x 20K Lyc(70D)+ 20Visc / 68 x 104 (1:2)	Corduroy	78"	126.00
40 Comp x 30 Comb / 84 x 130	Corduroy	66"	108.00

Cotton Yarn Prices : Prices FOB Indian Port / LCat Sight:

Ne 20/1 Carded Hosiery Yarn	USD 2.60/Kg.
Ne 20/1 Combed Hosiery Yarn	USD 2.93/Kg.
Ne 21/1 Carded Weaving Yarn	USD 2.60/Kg.
Ne 26/1 Combed Hosiery Yarn	USD 2.95/Kg.
Ne 30/1 Carded Hosiery Yarn	USD 2.80/Kg.
Ne 30/1 Combed Hosiery Yarn	USD 3.00/Kg.
Ne 32/1 Carded Weaving Yarn	USD 2.80/Kg.
Ne 34/1 Combed Hosiery Yarn	USD 3.15/Kg.
Ne 40/1 Combed Hosiery Yarn	USD 3.30/Kg.
Ne 40/1 Carded Weaving Yarn	USD 3.10/Kg.
Ne 30/2 Carded Hosiery Yarn	USD 3.15/Kg.
Ne 32/2 Combed Knitting Yarn	USD 3.50/Kg.
Ne 32/2 Carded Hosiery Yarn	USD 3.23/Kg.
Ne 40/2 Combed Hosiery Yarn	USD 3.90/Kg.
Ne 30/1 Combed Compact Weaving Yarn	USD 3.14/Kg.
Ne 40/1 Combed Compact Weaving Yarn	USD 3.42/Kg.
Ne 50/1 Combed Compact Weaving Yarn	USD 4.05/Kg.
Ne 16/1 Open End Yarn	USD 2.06/Kg.
Ne 21/1 Open End Yarn	USD 2.19/Kg.
Ne 24/1 Open End Yarn	USD 2.32/Kg.

TEXTILE WORLD

MUMBAI

ALL PRICES ARE EX-MILL
(GST FOR FABRIC AND TERRY : 5%)

QUALITY	HSN CODE	WT L.	WT GSM	YARN TYPE	WEAVE	PRICE EX MILL
07X07/68X38 - 63	5209	625	390	OE X OE	DRILL	97.00
10X06/76X28 - 63	5209	510	325	OE X OE	DUCK	79.00
10X10/68X38 - 63	5209	440	275	OE X OE	DRILL	71.00
10X10/40X36 - 63	5208	310	195	OE X OE	PLAIN	52.00
16X08/84X28 - 47	5209	265	225	OE X OE	DUCK	47.00
16X08/84X28 - 63	5209	360	225	OE X OE	DUCK	62.00
16X12/84X26 - 47	5208	230	193	OE X OE	DUCK	42.00
16X12/84X26 - 63	5208	310	193	OE X OE	DUCK	55.00
16X12/96X48 - 63	5209	415	260	OE X OE	DRILL	73.00
16X12/108X56 - 63	5209	470	295	OE X OE	DRILL	84.00
16X16/60X56 - 63	5208	300	187	OE X OE	PLAIN	56.00

ITMA Countdown – Focus Industry 4.0

The future of the textile industry is more and more determined by Industry 4.0. Industry 4.0 has many dimensions and possible fields of application. In three of them (Smart Services, Operations and Factory), key solutions are provided by the machinery industry. The other ones from smart textile products, marketing and sales, employees up to strategy and organization are specific know-how issues for textile mills.

At ITMA 2015 in Milan, Industry 4.0 was not a big issue. One could at least speak of first steps towards Industry 4.0. But in Barcelona we will already see real Industry 4.0 solutions.

Prior to ITMA, Nicolai Strauch, press officer of the VDMA Textile Machinery Association, Germany, spoke to experts of VDMA member companies about their products and services with regard to digitization and Industry 4.0.

Interview partners were:

- Jochen Adler, CTO, Oerlikon Manmade Fibers
- Rebekka Dilo, Assistant to the Management, Oskar Dilo Maschinenfabrik
- Klaus Heinrichs, Vice President, Monforts Textilmaschinen
- Dr. Janpeter Horn, CEO, Herzog
- Leonhard Kemnitzer, Head of Marketing, Baumüller Nürnberg
- Steffen Müller-Probandt, Managing Partner, Dienes Apparatebau
- Marcus Ott, CEO, Halo electronic
- Jochen Stillger, Head of Sales, Thies

Strauch: Mr. Adler, what can your customers expect 'digitally' from Oerlikon?

ADLER: I would say the digital refinement of our machines and production systems for manufacturing yarns, fibers, nonwovens along the textile value chain. We want to further optimize the efficiency of the systems and the quality of the end products with digital solutions. For this, we are deploying the know-how of our newly-integrated partner AC-Automation – which specializes in large-scale systems automation, transport, packaging and warehouse logistics and end product automated quality control. We combine this with our process competencies and digital data handling using our Plant Operation Center (POC). This has created Industry 4.0 solutions for our customers – with integrated storage and communication capabilities, wireless sensors, embedded actuators and intelligent software systems. In turn, this allows us to build bridges between data and material flows and between the virtual and real worlds.

Strauch: And what aspects of all this can visitors already see at the ITMA in Barcelona?

ADLER: At our trade fair stand we will be offering our visitors a digital experience that allows them to intensely discover and understand our machines, systems, components and services. Here, we will be deploying playful solutions to present the topic of artificial intelligence. We will be taking our 360-degree and augmented-reality applications as well as our virtual showroom with us, to allow visitors to experience complex systems live in 3D. The 'digital factory' is already in part becoming a reality in conjunction with our machine exhibits.

Strauch: Mr. Müller-Probandt, company Dienes specialises in machine components for the manmade fiber production as well as textile special applications. One focus are pilot installations for research. How is Industry 4.0 touching this application?

MÜLLER-PROBANDT: One key product in our portfolio is a modular spinning system which allows customised solutions, starting from thread run studies to complete pilot installations.

Each unit has its own PLC (Programmable Logic Controller), which allows to run DIENES units in foreign lines or to integrate foreign units in a DIENES line. The units can be operated with an interface directly or over the ethernet from an upper control system.

Strauch: What are the advantages for customers e.g. research institutes or R&D departments?

MÜLLER-PROBANDT: Our modular system includes a line overview, which rearranges itself almost automatically for different operation modes in alternative machine sequences. The detailed process representation allows the customer to monitor directly the effect for all changes of parameters.

If a good yarn could be realized it is possible to backtrack the journey of this yarn through the process.

The parameters can be modified with mobile devices, like a pad or a mobile phone. All these functionalities allow the research institutes and industry to reduce the cost of investments and to operate fast and flexibly in the development of new products, which additionally save costs and time.

Strauch: Let's move forward in the textile chain. Ms. Dilo, how can Industry 4.0 help customers in the nonwovens industry to increase efficiency and so to decrease costs?

DILO: Our new operator system assists the operators through intelligent sensors and automatized modes allowing a reduction of workforce at nonwoven lines. At a line restart, the newly formed web may wrap around rollers in the card and crosslapper. The new starting mode automatically prefills the line and forms a stable start nonwoven, minimizing the risk of wrappings.

Strauch: What is the effect of this?

DILO: As a result, the line starts smoothly with minimal manual intervention. Moreover, an energy-saving technology helps to decrease costs at the fibers transport, one of the main energy consumers in needling lines. Instead of operating the ventilators for the fiber-air transport at maximum frequency, the system controls the ventilator speed according to the actual throughput and also gives warnings before blockages can occur. The technology therefore targets ecosensitive nonwoven producers, who also want to increase their line availability.

This targets especially producers working with fiber blends and several bale openers respectively.

Strauch: Dr. Horn, Herzog is producing braiding machines. What is your latest I4.0 product and what is your

approach?

DR. HORN: An additional module for Herzog machines, an app-box, with which Industry 4.0 scenarios can be realised without employing software teams or starting big Industry 4.0 projects. This technology is an app-based one. Apps can be downloaded and installed easily.

Strauch: How do customers benefit from this?

DR. HORN: The customer can easily access the data of Herzog machines, e.g. on a PLC (Programmable Logic Controller). The data can be visualised on dashboards created by the customer on terminals or others. The data can be processed, e.g. by creating key figures, alarms or analyzation. Alarms and information could be transferred by e-mail, messengers. Furthermore, the data can be linked to order from pps systems or transferred to the machines – if the customer decides to go this way.

Strauch: Can you quantify the benefit?

DR. HORN: No formation of software teams outside machines. New applications could be created easily. No additional software.

Strauch: What is really new at this solution?

DR. HORN: It is the result of a three-year research project. Various innovations have been implemented: The use of cloud technologies on the shop floor; open source technologies for inexpensive apps; no internet connection is necessary. The main advantage however is the "one-click" installation of apps which have been applicable only for smartphones and tablets. The apps are installed in a so-called box outside the machines.

Strauch: The last steps in the textile chain is finishing. Mr. Heinrichs, what will Monforts present at ITMA?

HEINRICHS: Thanks to a support app for communication and an app for operating Monforts systems, Monforts machines now feature a "digital twin" that will be presented to the textile industry for the first time ever at ITMA in Barcelona. With the help of advanced sensor technology, all technical data are mapped in the cloud virtually and in real time. The data in the cloud indicate the current state of the system with its respective specifications and can map the entire production process, enabling targeted analysis and controlled planning and production: Insights harnessed from data analyses can be used to optimise the actual production process.

Strauch: What is new about your solution / technology?

HEINRICHS: The status overview in real-time improves machine availability while minimising downtime considerably. Potential sources of error can be anticipated and eliminated. The digital twin provides information on individual wear parts of a system, such as converters or gears, for example. In the future operators will be able to see how long a wearing part will last and when it has to be maintained or replaced ahead of time. Direct access to the integrated Monforts webshop allows users to order wearing and spare parts at the press of the button when they are needed, virtually preventing machine downtime. On request, Monforts can monitor machine availability and proactively approach customers if action is required. Data is only ever called from the cloud provided customers have agreed, requiring their consent in the interest of data security.

STRAUCH: WHAT ADVANTAGES DOES THIS OFFER FOR YOUR CLIENTS?

HEINRICHS: With the support app, the customer can contact Monforts service virtually 24 hours a day or at an arranged time via smartphone or tablet. Support is given right on site via a video connection. The Monforts service specialist can point out individual system parts on the customer's smartphone using a mouse cursor and assist users in troubleshooting or operating the machine on site. Documents, such as machine documentation, can also be shown in real-time on the smartphone. Data can be used to analyse a system's energy requirements. For example, machine operation can be optimised for production to go into full operation when electricity costs are at their lowest.

Strauch: Let's stay in the finishing process. Mr. Stillger, the company Thies specializes in dyeing technology. What is your latest I4.0 product?

STILLGER: For the ITMA 2019 we offer a new version of our maintenance system, which, among others, was extended by the condition monitoring module. It is an automated planning, execution and monitoring software for inspection, service and routine maintenance, which not only facilitates the procurement of spare parts, but also provides the corresponding technical documentation digitally. At the same time, we are laying the foundation for future machine-specific and customized machine-based learning from the history data.

In addition, a new controller generation will be offered together with one of our control suppliers, which will be open for I4.0 applications and at the same time can be connected to the corresponding MES (Manufacturing Execution System).

Strauch: What specific benefit does a customer get from your solution / technology?

STILLGER: Optimization of production processes and production safety through completely transparent planning, implementation and monitoring tools. In the medium term, a significant reduction in process and maintenance time is achieved. There will be a reduction in the failure rate and the time to fix failures. All in all, a reduction in maintenance costs due to a purposefully controlled spare parts inventory and a prioritized and more efficient maintenance is expected.

Strauch: Can you prove this with some facts and figures?

STILLGER: Customers will achieve higher machine efficiency through intelligent maintenance. Depending on the individual situation in the dye house, optimization of the processes may reduce the costs by 20 to 50%. Successful energy management (managing energy allocation) can lead to an additional 7% to 10%

Continued on Page 4

Prices decline

By Cotton Man

MUMBAI, JUNE 17—

The cotton prices today opened on a weak noted and decline at all-India level. S-6 variety was quoted at Rs. 45800 per candy.

Quality	Rate	Arrival in Bales State Wise
NORTH ZONE (RATES IN MAUND)		
Punjab	J-34 SG 4780 / 4820 J-34 RG 4830 / 4870	NIL
Haryana	J-34 SG 4760 / 4810 J-34 RG 4810 / 4860	300
Rajasthan	J-34 SG 4760 / 4800 J-34 RG 4810 / 4850	NIL
Lower Raj in bales	H-4 28-29 mm 45000 / 47000	NIL
CENTRAL ZONE (RATES IN BALES)		
Gujarat	V-797 (Kalayan) 22mm 35000 / 36500 S6 28.5 mm 44800 / 45300 S-6 29 mm 45500 / 45800	5000
Maharashtra	Old - MECH 1 - 29 mm 45000 / 45500 New - MECH 1 - 29-30 mm 46000 / 46500 New - MECH 1 - 31 mm 47000 / 47700	4500
Madhya Pradesh	Old Crop MECH -1 29-30 mm 45000 / 45500 New Crop MECH - 1 29-30 mm 46000 / 46500 DCH-32 33-35 mm 56000 / 58000	NIL
SOUTH ZONE (RATES IN BALES)		
Andhra Pradesh (Ready Crop)	MECH - 1 (Telgana) 29-30mm 45500 / 46500 MECH - 1 (AP) 29-30 mm 45500 / 46500 MCU-5 (AP) 30-31 mm 46500 / 47500	500
Karnataka (Ready)	MECH-1 29 mm 45000 / 45500 MCU-5 30 mm 46000 / 47000 DCH-32 34-35 mm 56500 / 58500	NIL
OTHER (RATES IN BALES)		
Andhra Pradesh (Ready Crop)	MCU-5 30/31 mm 46500 / 47500	NIL
Total Arrivals		10,500

Indian Cotton Federation

(Per Candy 2017018 Crop)

V-797	35400	Sankar-6	44900
Jayadhar	-----	MCU-5	48500
J-34 (RG)	46221	DCH-32	55700
MECH-1/H-4	45600	MECH	45600

COTTON ASSOCIATION OF INDIA

State	Grade	Staple	Mic	Per Candy
P/H/R	ICS-101	Below 22mm	5.0-7.0	41300
P/H/R	ICS-201	Below 22mm	5.0-7.0	41800
GUJ	ICS-102	22mm	4.0-6.0	35000
KAR	ICS-103	23mm	4.0-5.5	39000
M/M	ICS-104	24mm	4.0-5.5	40000
P/H/R	ICS-202	26mm	3.5-4.9	46200
M/M/A	ICS-105	26mm	3.0-3.4	41400
M/M/A	ICS-105	26mm	3.5-4.9	42400
P/H/R	ICS-105	27mm	3.5-4.9	46500
M/M/A	ICS-105	27mm	3.0-3.4	42000
M/M/A	ICS-105	27mm	3.5-4.9	42900
P/H/R	ICS-105	28mm	3.5-4.9	46700
M/M/A	ICS-105	28mm	3.5-4.9	44600
GUJ	ICS-105	28mm	3.5-4.9	44800
M/M/A/K	ICS-105	29mm	3.5-4.9	45500
GUJ	ICS-105	29mm	3.5-4.9	45600
M/M/A/K	ICS-105	30mm	3.5-4.9	46600
M/M/A/K/T/OICS-105	ICS-105	31mm	3.5-4.9	47700
K/A/T/O	ICS-106	32mm	3.5-4.9	48600
M(P)/K/T	ICS-107	34mm	3.0-3.8	54400

U.S. Futures Daily Cotton Market

14 June 2019

Contract	Open	* High	Low	Close *	Settle	Change
Jul '19	66.84	66.96	65.90	66.01	65.94	-0.89
Oct '19	66.66	67.09	66.60	66.60	66.61	-0.52
Dec '19	66.56	66.63	65.68	65.77	65.75	-0.68
Mar '20	67.11	67.14	66.28	66.43	66.38	-0.62
May '20	67.68	67.92	67.12	67.16	67.19	-0.67

*Open and Close prices reflect the first and last trade in the market and do not correlate to any opening or closing period

Printed, Published and Edited by Rakesh L. Sharma on behalf of
TECOYA TREND PUBLICATIONS PVT. LTD. from D-66,
 Oshiwara Industrial Centre, Andheri Malad Link Road, Mumbai 400 104
 and Printed at **TECOYA TREND PUBLICATIONS**, D-66, Oshiwara
 Industrial Centre, Andheri Malad Link Road, Mumbai 400 104
 Registered with Office of the Registrar of Newspaper for India
 Registration Number: 20682/1970

Mixed trends in shipments of new textile machinery witnessed in 2018: ITMF

Continued from Page 1 Col 6

Vietnam.

721'000 open-end rotors were shipped worldwide in 2018. This represents an 83'000-units increase compared to 2017. 91% of global shipments went to Asia & Oceania where the share to total deliveries improved by +20% to 658'000 rotors. However, China, the world's largest investor in open-end rotors, increased its investments by +7% in 2018 while deliveries to Thailand, Malaysia, and Egypt rose by over 3 times.

TEXTURING MACHINERY

Global shipments of single heater draw-texturing spindles (mainly used for polyamide filaments) increased by +48% from nearly 15'500 in 2017 to 22'800 in 2018. With a share of 91%, Asia & Oceania was the strongest destination for single heater draw-texturing spindles. China and Japan were the main investors in this segment with a share of 68% and 11% of global deliveries, respectively.

In the category of double heater draw-texturing spindles (mainly used for polyester filaments) the positive trend continues and global shipments increased by +50% on an annual basis to about 490'000 spindles. Asia's share of worldwide shipments grew to 93%. Thereby, China remained the largest investor accounting for 68% of global shipments.

WEAVING MACHINERY

In 2018, worldwide shipments of shuttle-less looms increased by 39% to 133'500 units. Thereby, shipments of air-jet and water-jet looms increased by +21% to 32'750 and +91% to 69'240, respectively. The deliveries of rapier/projectile looms dropped by -5% to 31'560. The main destination for shuttle-less looms in 2018 was Asia & Oceania with 93% of all worldwide deliveries. 92% of

all water-jet looms, 83% of all rapier/projectile looms, and 99% of all Air-jet looms went to that region. The main investors were China and India in all three categories. Deliveries of weaving machines to the two countries reached 81% of total deliveries. Turkey and Bangladesh further played an important role in the rapier/projectile segment with a combined 18% of global shipments.

CIRCULAR & FLAT KNITTING MACHINERY

Global shipments of large circular knitting machines fell by 4% to 26'300 units in 2018. Asia & Oceania was also the world's leading investor in this category with 85% of all new circular knitting machines shipped to the region. With 48% of worldwide deliveries, China was the largest investor. India and Vietnam ranked second and third with 2'680 and 1'440 units, respectively.

In 2018, the segment of electronic flat knitting machines decreased by -20% to around 160'000 machines. Asia & Oceania was the main destination for these machines with a share of 95% of world shipments. China remained the world's largest investor. The country kept its global share of 86% of worldwide shipments despite a decrease in investments from 154'850 units to 122'550 units.

FINISHING MACHINERY

In the segment of fabrics continuous, shipments of Washing (stand-alone), Singeing Line, Relax Dryers/Tumblers, Stenters, and Sanforizers/Compactors increased in 2018 by +58%, +20%, +9%, +3%, and +1%, respectively.

Deliveries in the other sub-segments decreased. In the category "fabrics discontinuous", shipments of Air-jet dyeing machines increased by +16% and deliveries of Overflow dyeing and Jigger dyeing/Beam dyeing machines fell by -7% and -19% respectively.

Fire breaks out in garment unit in Ludhiana

LUDHIANA, JUN 17—

A major fire broke out in a garment factory near Shivpuri Chowk here, officials said.

The raw material, finished goods and machinery installed in the unit have been destroyed in the fire, factory manager Nitin Mehra said, adding that the building had been completely damaged in the incident.

The fire also engulfed some adjoining buildings, officials said.

MUMBAI, JUNE 17—

For millions of Indians, cricket is not just a sport, it's a religion. Pantaloons, one of the largest and iconic fast fashion brands in India, will join in the World Cup to express its love for the sport with its Cricket campaign, How Blue Are You?

As part of the campaign, the brand will change its identity, which has been its calling card for years. So just for the campaign, Pantaloons will proudly change the colour of its logo to Blue. Even the name of the Loyalty Program will be changed from Greencard to

Bluecard for the campaign. A hyper-personalised campaign is being created for 50 Lakh Pantaloons loyalty club members. The campaign will showcase the number of blue clothes the customer has bought and offer options to up the Blue' quotient in their wardrobes.

Elaborating further on the campaign, Ryan Fernandes, Head of marketing and E-commerce, Pantaloons, said, How Blue Are You' is our attempt to pay tribute to the Indian fan. We are going to go all out, right from tweaking our brand identity and loyalty program for one day,

to delivering personalized fan moments for our customers. As one of India's most loved fashion brands, we want to show our love for the nation and cheer for our boys in Blue.

It's time for the ultimate fan pilgrimage and every brand worth its salt, would want to leverage it. Our attempt was to pay the ultimate homage by changing the colour of Pantaloons' iconic loyalty club branding logo and integrating the campaign all the way through, says Anil Nair, CEO VMLY&R, the agency behind this campaign.

ITMA Countdown – Focus Industry 4.0

Continued from Page 3 col 6

reduction in costs.

Strauch: The VDMA supports the mechanical and plant engineering industry in the development of OPC / UA Companion Specifications. OPC / UA is an open interface standard that defines the mechanisms of cooperation in the industrial environment. What advantages does OPC / UA provide with regard to your solution / technology?

STILLGER: The OPC / UA interface enables standardized data transfer. A significant improvement in data quality is achieved. The new technology introduces customer-specific and system-specific monitoring of the functioning of the machine. Smarter sensors are used for process monitoring. Forward-looking history data are collected for the configuration of self-optimizing AI processes.

Strauch: Mr. Ott, your company Halo electronics from Austria develops Enterprise-Resource-Planning (ERP) systems for the textile industry. Please, tell us more about your company.

OTT: We provide custom-tailored IT solutions, that offer textile industry customers the perfect level of data transparency - from fibre to finished product. Direct communication between man and machine not only enables this consistently transparent presentation of all relevant data, but also gives employees flexible and, most importantly, mobile access to it. All important information is available on the handheld device while "on the go".

Strauch: How is the usability of your solution? Can you quantify the benefits of the product?

OTT: The intuitive software relies on language-independent icons instead of text and can therefore be used without training in any work environment. The resulting cost savings are clear. The seamless implementation of the software in all relevant production processes up to the point of delivery enables complete consistency and transparency of the data collection, which simplifies optimisation processes and gives management vital decision-making information. For example, the use of our software enables time savings of 45% for the storage and retrieval of products in the warehouse.

Strauch: Mr. Kemnitzer, Baumüller is a well-known manufacturer of intelligent drive and automation systems as well as software for numerous branches, including textile

machinery. One focus is simulation software. What's actually new?

KEMNITZER: Many simulation tools graphically depict machines and systems as 3D simulations. These standard tools focus on the behavior of the machines under optimal conditions. Our simulation software starts one step ahead. In the first step, the drives and the mechanical parts are selected for the respective application task in order to then verify the motion profiles of the machine.

Strauch: What advantage does the software offer?

KEMNITZER: Our software is very user-friendly. With classical simulation tools a large number of different parameters has to be entered. The advantage of our tool is the great simplification of the models without losing their accuracy. Application engineers can work with ready-made models that are just as accurate from the calculation cycles as they are in other simulation tools. Due to the complete integration in the operating software, the models are automatically parameterized and changes can be carried out very quickly. The result of the simulation process is a parameter set which can be used in the real application. This saves much time in the engineering process and reduces the time to market.

Strauch: Thank you very much for this Industry 4.0 journey along the textile chain plus supplier. More than 200 VDMA member companies will exhibit at ITMA end of June. We are eagerly looking forward to a fantastic and successful ITMA in Barcelona.

With more than 3,200 members based in Germany and other EU-/EFTA-countries, VDMA is the largest network organization for mechanical engineering in Europe. VDMA was founded in November 1892 and is the most important voice for the mechanical engineering industry today. It represents the issues of the mechanical and plant engineering sector. VDMA has representative offices in Berlin and Brussels as well as liaison offices in important foreign markets and successfully accompanies its members in global markets. Expertise and support concern e.g. law, taxes, markets, economy, energy, environment, research, production, standardization, technology policy, management competences, benchmarks, training. In total, approximately 500 VDMA employees work for the members worldwide. The textile machinery part of VDMA represents some of the leading textile machine companies worldwide.