



Loopfe

YarnMaster®

PRISMA DISPLAY CODES



GENERAL STATES		
--	Yarn runs between +/-5% difference	If difference is over +/-5% line goes up [+] or down [-]
B.B.	Startup after reset	
. .	Zeroing (ECR)	
PS	Wait for parameter from spindle	
PC	Wait for parameter from Central Unit (LZE)	
PA	Spindle locked, group not started	
Ad	Adjust	
do	Doffing	
UF	Update TK firmware	

SYSTEM CUTS		
o0	Cut request from spindle	
o1	Zeroing error	
o2	Cut by user (TK button)	
o4	F brightness regulator limit	
o5	Adjust cut	
o6	Cut failed	
o7	M range regulator limit	
o8	Adjust failed	
o9	TK configuration changed by LZE	
oA	Spindle power fail	
oF	Internal firmware error	

TEXTILE ALARMS		
- The display starts flashing with the reason of cut. - The respective spindle is stopped. - The faulty yarn is automatically removed from the package, max. 80m. - The respective bobbin is ejected, depending on the machine setting and the machine type.		
bb	Bobbin startup alarm cut	
CA	Class alarm cut	
OA	Offlimit alarm cut	
IA	IPI alarm cut	

TECHNICAL ALARMS			
CLEAN MEASURING SLOT			
AL	10	There is still yarn and/or yarn remains in measurement channel	Check meas. channel, Check knife
AL	20	Zeroing failed (D ECR)	5 failed zeroing cycles by o1 cut, Clean sensors, Replace TK.
AL	21	Zeroing failed (M ECR)	
AL	22	Zeroing failed (F ECR)	
AL	23	Yarn detected in D channel	Clean measurement channel
AL	24	Yarn detected in M channel	
AL	25	Yarn detected in F channel	

REPEAT ADJUST			
AL	30	Adjust failed	Repeat with new bobbin, Clean D sensor, repeat adjust. Clean D sensor of all TKs in group, Repeat adjust.
		Faulty bobbin or soiled measuring field	
AL	31	Adjust outside the limit	Repeat adjust with new bobbin.
		Threshold value exceed	

TECHNICAL ALARMS			
CONTACT LOEPFE SUPPORT			
AL	40	F-Sensor activated but not detected	Change the settings of TK type of the group, Replace TK.
AL	41	P-Sensor activated but not detected	
AL	42	Sensing head temp. above limit	Reset alarm, Press TK test button, Replace TK.
		Sensing head I ² C temperature over 85°C	
AL	43	I ² C blocked – Fatal error on internal I ² C serial bus	
AL	44	DRV knife reel failed	
		Input signal of knife reel is missing	
CONTACT LOEPFE SUPPORT			
AL	45	Sensing head incompatible	Reset alarm, Press TK test button, Replace TK.
		At least one TK hardware component is not compatible with firmware	
		Knife not available	
AL	46	Knife not configured in Flash or CLPD	
		Or loose connector from knife	
CONTACT OEM OR LOEPFE SUPPORT			
AL	50	DRV knife power supply failed, Threshold exceed	Reset alarm, Press TK test button, Replace TK.
AL	51	DRV external voltage supply failed, 5V power supply limit exceeded	
AL	52	NTP (Drum) signal check failed, 10s NTP signal not detected during running with yarn	
AL	53	Spindle does not respond. After a cut spindle doesn't respond for 15 s	

D/M SENSOR CUTS						
NSLT Cuts						
Display Mode: Type			Display Mode: Class			
n	Nep	0.1cm-0.5cm	n0 n4	N0-N4	Nep classes	
S	Short	0.5cm-8cm	AO AY	A0-A4	0.5cm-1cm	Short Classes
L	Long	8cm-128cm	BO BY	B0-B4	1cm-2cm	
t	Thin	1cm-128cm	CO CY	C0-C4	2cm-4cm	
			DO DY	D0-D4	4cm-8cm	
	N, S, L, T -unclassified		CO DO	C00-D00		
n-	Nep		E	E	8cm-128cm	Long Classes
S-	Short		F FO	F and F0	8cm-32cm	
L-	Long		FO GO	F00 and G00		
t-	Thin		G GO	G and G0	32cm-128cm	Thin Classes
			B1 B2	B1-B2	1cm-2cm	
			CO C2	C0-C2	2cm-4cm	
			DO D2	D0-D2	4cm-8cm	
			H0 H2	H0-H2	12cm-32cm	
			I0 I2	I0-I2	32cm-128cm	
Compactness Cuts						
CP	Compactness +					
CP.	Compactness -					

D/M SENSOR CUTS				
Splice cuts		Cluster* cuts		
<i>Jn</i>	Splice cut Nep	<i>nC</i>	Nep cluster	[1m-80m]
<i>JS</i>	Splice cut Short	<i>SC</i>	Short cluster	[1m-80m]
<i>JL</i>	Splice cut Long	<i>LC</i>	Long cluster	[1m-80m]
<i>Jt</i>	Splice cut Thin	<i>tC</i>	Thin cluster	[1m-80m]
<i>SA</i>	Splice accumulation cut	* Accumulation of yarn faults		

Special cuts		Yarn Count cuts		
<i>bu</i>	Bunch cut	<i>Sc</i>	Short count +	[1m-10m]
<i>UP</i>	Upper yarn cut	<i>Sc.</i>	Short count -	[1m-10m]
<i>dC</i>	Drum wrap cut	<i>DC</i>	Off count +	[10m-50m]
<i>dE</i>	Drum wrap event	<i>DC.</i>	Off count -	[10m-50m]

Core yarn cuts		Surface Index cuts		
<i>nc</i>	Missing core [2m-50m]	<i>SF</i>	SF/D + (SurfacelIndex)	[10m-80m]
<i>cc</i>	Offcentric core [0.2m-50m]	<i>SF.</i>	SF/D - (SurfacelIndex)	[10m-80m]
Length Limit (Count, SFID, Offcolor)		<i>c</i>	Short SF/D +	[1m-10m]
<i>LL</i>	Length Limit cut	<i>c.</i>	Short SF/D -	[1m-10m]

F SENSOR CUTS				
Display Mode: Type		Display Mode: Class		
Dark Foreign Matter				
FF	Dark foreign matter	S1 S4	D S1 - D S4	0.1cm-1cm
		I1 I4	D I0 - D I4	1cm-2cm
		r1 r4	D R0 - D R4	2cm-4cm
		O1 O4	D O0 - D O4	4cm-12.8cm

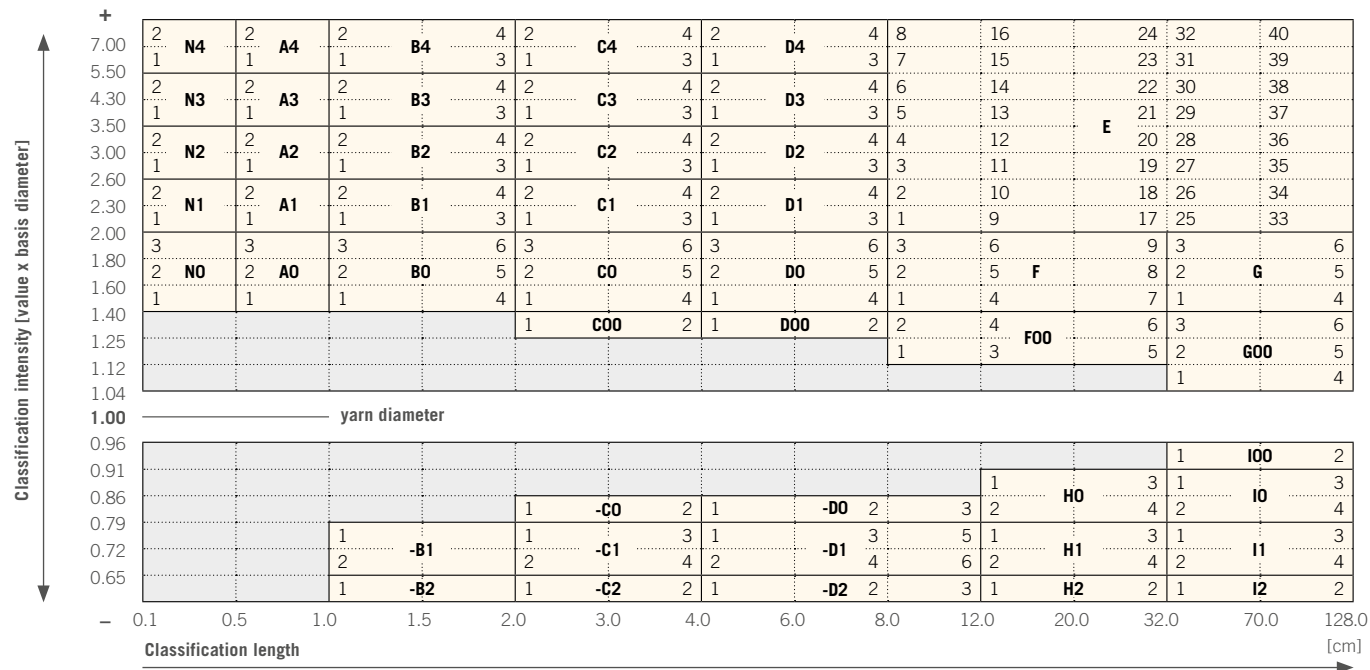
F SENSOR CUTS				
Organic Foreign Matter				
<i>F.F</i>	Organic foreign matter	<i>S1 S4</i>	O S1 - O S4	0.1cm-1cm
		<i>I1 I4</i>	O I0 - O I4	1cm-2cm
		<i>r1 r4</i>	O R0 - O R4	2cm-4cm
		<i>O1 O4</i>	O O0 - O O4	4cm-12.8cm

Bright Foreign Matter				
<i>FF.</i>	Bright foreign matter	<i>S1 S4</i>	B S1 - B S4	0.1cm-1cm
		<i>I1 I4</i>	B I0 - B I4	1cm-2cm
		<i>r1 r4</i>	B R0 - B R4	2cm-4cm
		<i>O1 O4</i>	B O0 - B O4	4cm-12.8cm

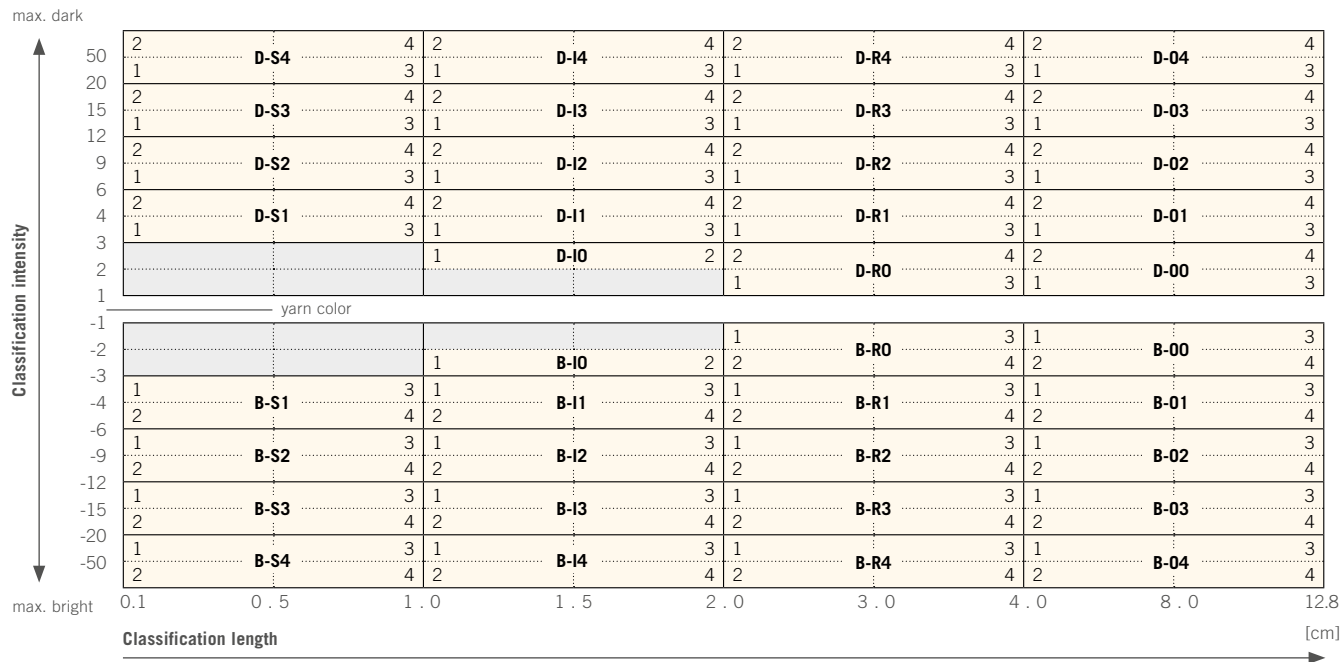
Special F Cuts		
<i>FC</i>	F Cluster Dark	Accumulated foreign matter or dirty & oiled parts of yarn [1m-80m]
<i>FC.</i>	F Cluster Bright	
<i>DF</i>	F Offcolor Dark	Shade variation of yarn color [1m-50m]
<i>DF.</i>	F Offcolor Bright	

P SENSOR CUTS				
Display Mode: Type		Display Mode: Class		
<i>PP</i>	Synthetic foreign matter cut	<i>P1 P5</i>	P1 - P5	0.1cm-1cm
		<i>O1 O5</i>	O1 - O5	1cm-2cm
		<i>L1 L5</i>	L1 - L5	2cm-4cm
		<i>Y1 Y5</i>	Y1 - Y5	4cm-8cm

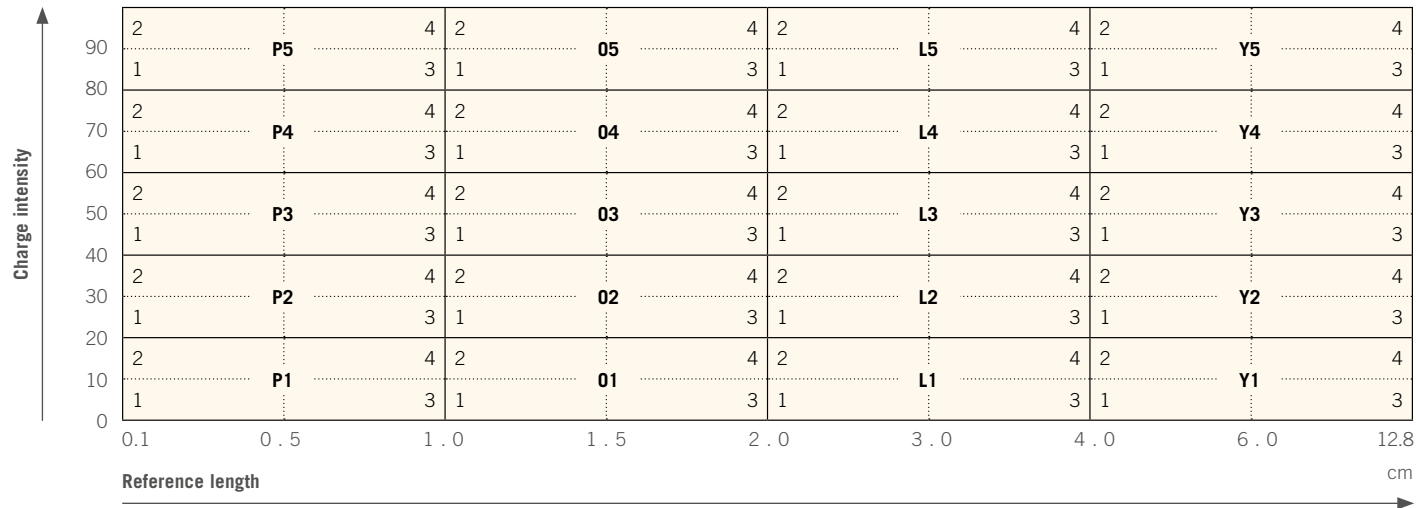
NSLT clearing – classification matrix



F clearing – classification matrix

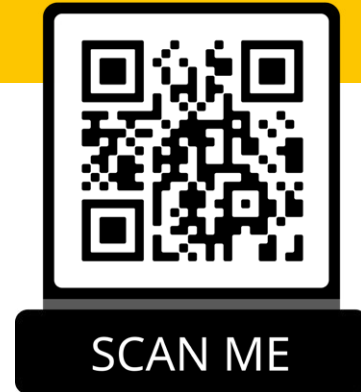


P clearing – clearing matrix



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