

rollCare[®]

profile measurement device

Easy and fast way to decide when to
re-flute the rolls



rollCare[®]
profile measurement device



/YenarMachine



/YenarMachine

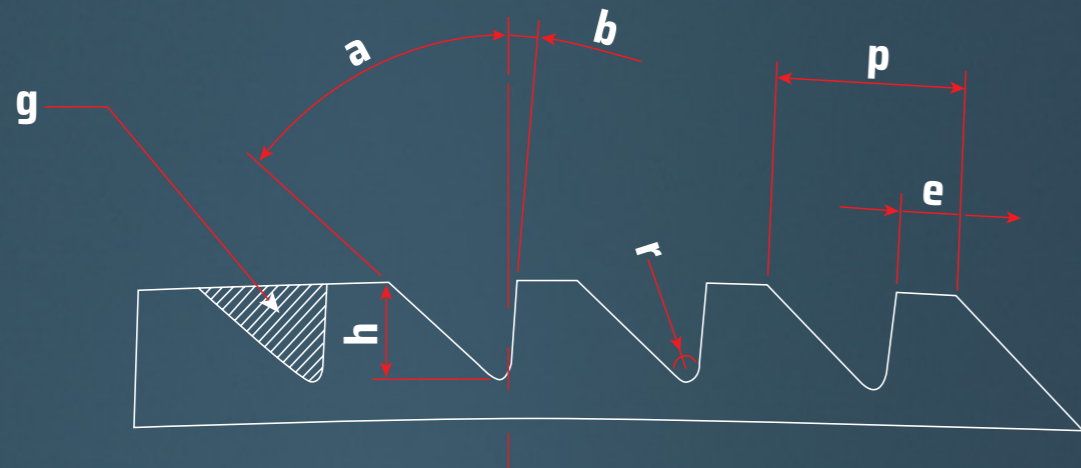


/Yenarroll

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What does rollCare measure?

Rollcare measure the sharp angle, dull angle, land, depth, bottom radius, pitch and grinding surface area.



a

Sharp Angle

b

Dull Angle

e

Land

r

Radius

h

Depth

g

Grinding Surface Area

p

Pitch

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Where We are Using?



ON THE ROLLER MILLS



ON THE CORRUGATING MACHINE



TO CHECK THE RECEIVED ROLLS



TO CHECK TOOL PROFILE

Specifications of rollCare



User friendly interface panel



Thanks to Laser technology super high resolution, accuracy and fast data collection



Portable



No limit for diameters of rolls



Verify all types corrugation style



Battery Adaptors



Get the technical report



Wireless Connection



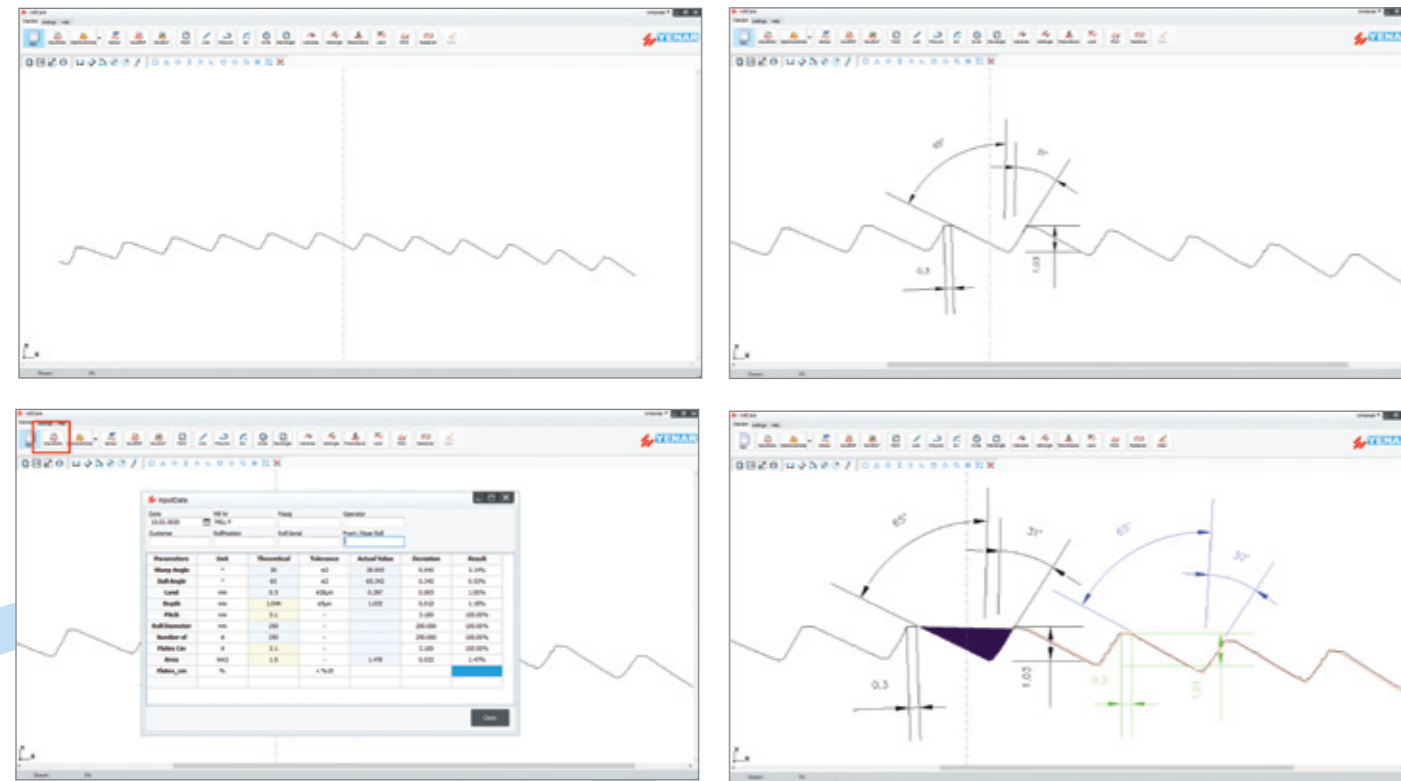
How rollCare Works ?

rollCare®



No need to be a pro.

RollCare sticks on the roll with magnets. Device transfers via wireless the roll profile to the computer. Specially designed software allows you to measure easily all the parameters.



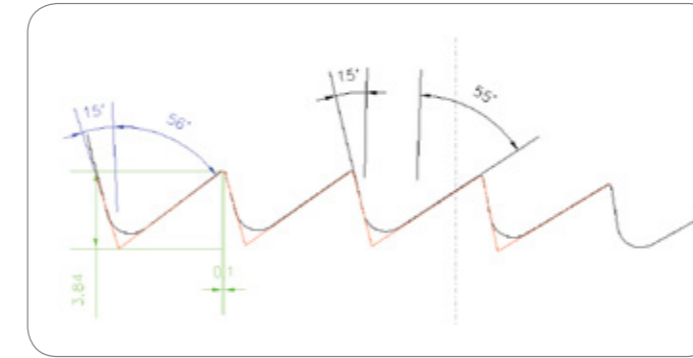
Min. Hardware Requirements

- Processor : Windows 10 and IntelCore i5
- Display : 15' LED Full HD (1366x768 16:9)
- Memory : 4 GB
- Storage : 512 GB

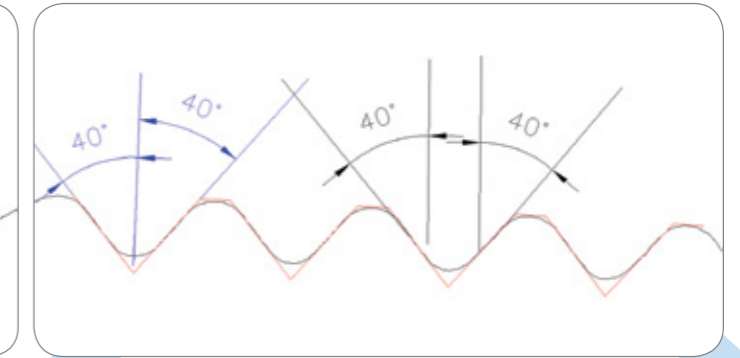


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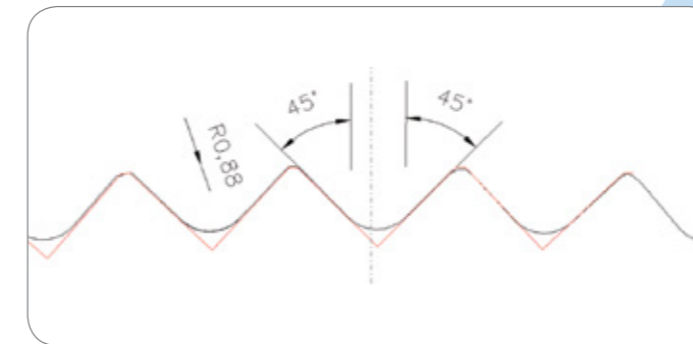
ST 14" Diameter 4 Corr./Inch



STV 18" Diameter 14 Corr./Inch



RBV 12" Diameter 4.5 Corr./Inch



Technical Profile Report

rollCare®
profile measurement device

TECHNICAL PROFILE REPORT

Date: 11.01.2020 Passage: Roll Serial No: 22010488
Customer: M.S. Operator: M.S.
Mill No: Corrosion Area: MIDDLE
Roll Position:

Parameters	Unit	Theoretical Value	Tolerance	Actual Value	Deviation	Result
Sharp Angle	°	35	2"	35	0"	OK
Dull Angle	°	60	2"	59.2	-0.8"	OK
Land	mm	0.1	+/-0.05 mm	0.107	0.007	OK
Depth	mm	0.5	+/-0.05 mm	0.48	-0.04	OK
Pitch	mm	1.6				
Roll Diameter	mm	120				
Number of Flats	#	375				
Flats / cm	#	6.3				
Flats Area	mm²	0.4		0.384	-0.016	OK
Conditions						GOOD

Status Table

Good	Still Good	Need Operation
<0%	>0% and <10%	>10%

rollCare Profile Measurement Device calibrated by YENAR

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TECHNICAL PROFILE REPORT

Date: 11.01.2020 Passage: Roll Serial No: 22010488
Customer: M.S. Operator: M.S.
Mill No: Corrosion Area: MIDDLE
Roll Position:

Parameters	Unit	Theoretical Value	Tolerance	Actual Value	Deviation	Result
Sharp Angle	°	30	2"	30.5	0.5"	OK
Dull Angle	°	60	2"	60.2	0.2"	OK
Land	mm	0.05	+/-0.05 mm	0.06	0.01	OK
Depth	mm	1.85	+/-0.05 mm	2.13	0.06	OK
Pitch	mm	2.7				
Roll Diameter	mm	140				
Number of Flats	#	255				
Flats / cm	#	8.7				
Flats Area	mm²	1.5		1.412	-0.088	OK
Conditions						GOOD

Status Table

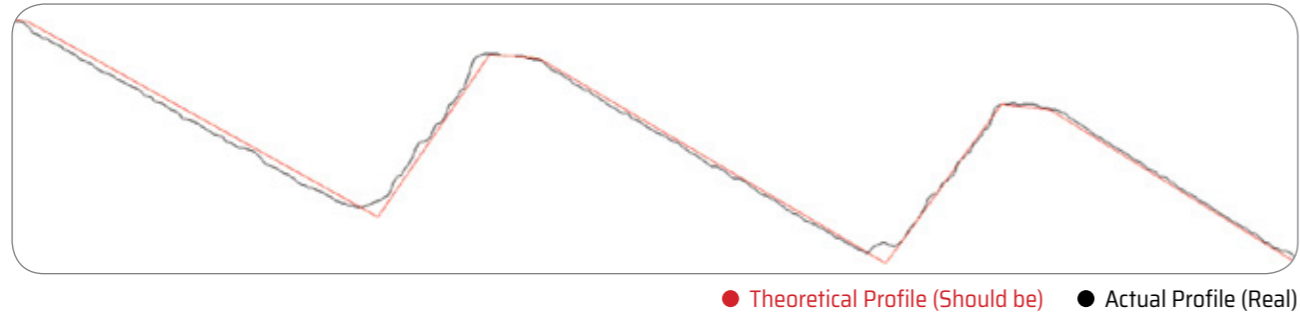
Good	Still Good	Need Operation
<0%	>0% and <10%	>10%

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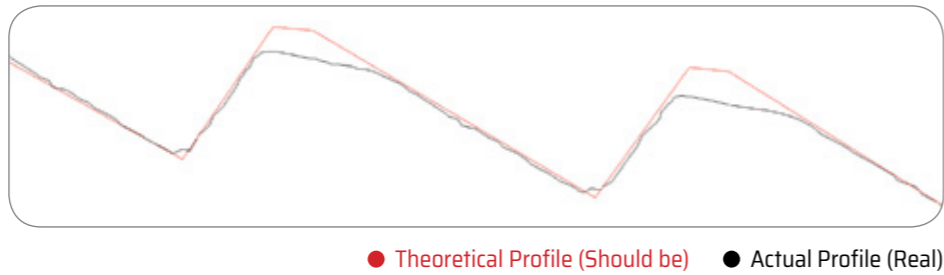
Wear Out Profiles



%0 Wear Out of profile

%100 Correct New Corrugated Profile according to flow sheet

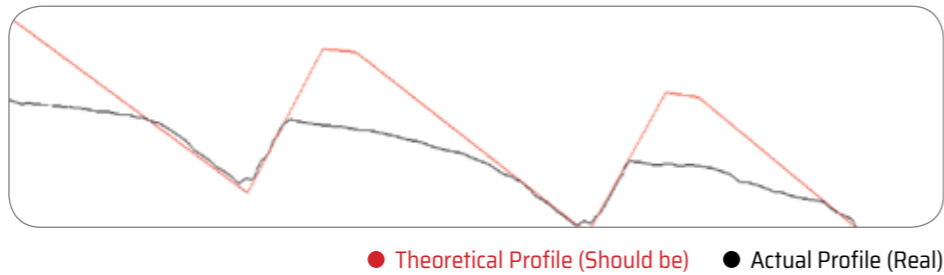
%20 Wear Out of profile (used roll)



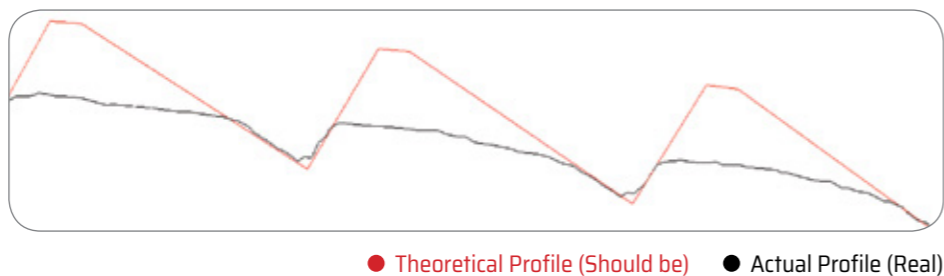
%40 Wear Out of profile (used roll)



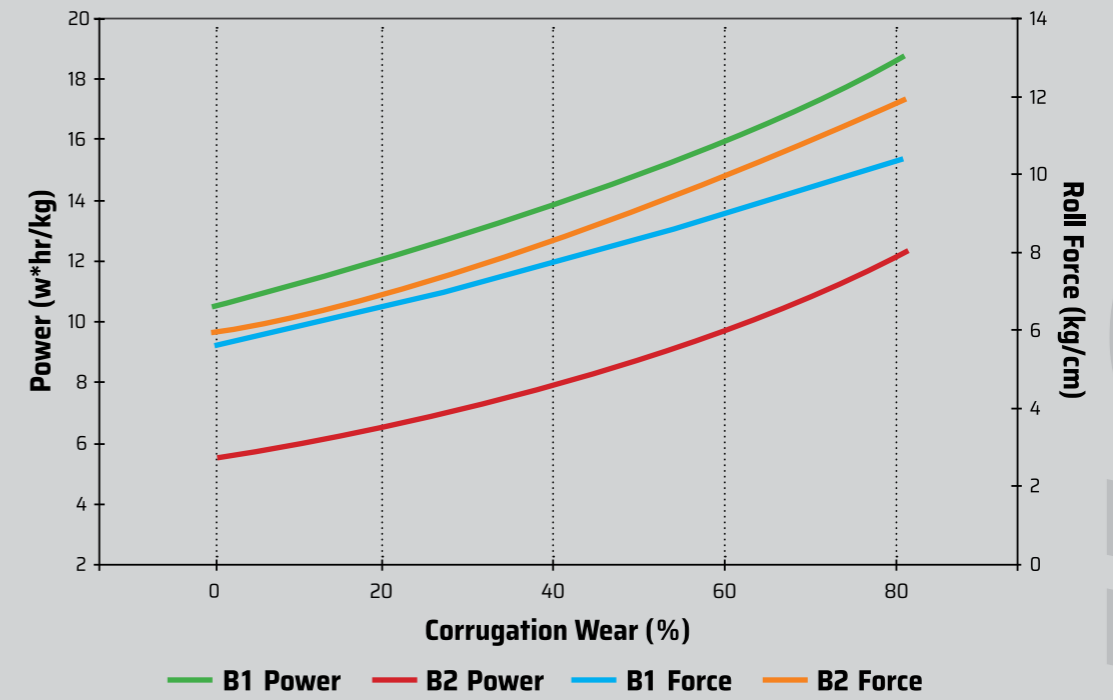
%60 Wear Out of profile (used roll)



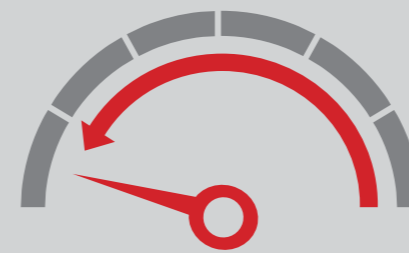
%80 Wear Out of profile (used roll)



Effects of Roll Wear



Why rollCare ?



ENERGY CONSUMPTION decreasing



PRODUCT QUALITY increasing



THROUGHPUT CAPACITY increasing

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