

Software:

<http://www.gripsoft.de/cms/Software>

## Equipment



TH62



Z3-X500



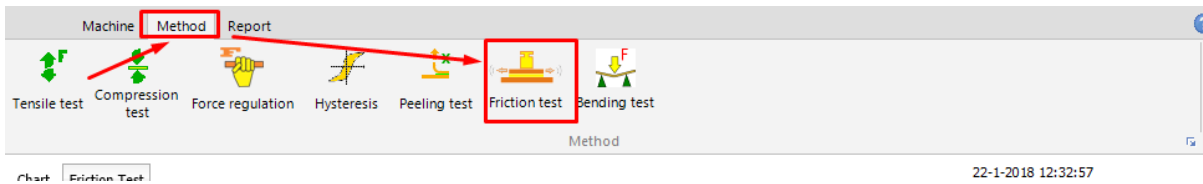
# Software

Current software releases for ZPM machines.

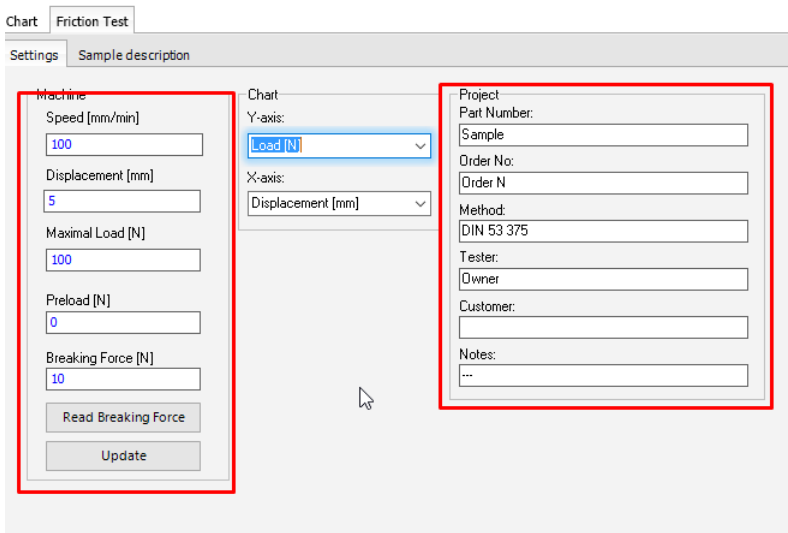
Check the screenshots of windows software [here](#)

File	Version	Operating System	Language	Download Link
THSSD Windows Software 2017 RC6	x64	Windows 7, 8, 10	en / de / fr	<a href="#">Download</a>
THSSD Windows Software 2017 RC6	x86	Windows XP, 7, 8, 10	en / de / fr	<a href="#">Download</a>
Firmware downloader			en	<a href="#">Download</a>
Virtual COM Port Drivers (FTDI)	x64-x86			<a href="#">visit FTDI official site</a>

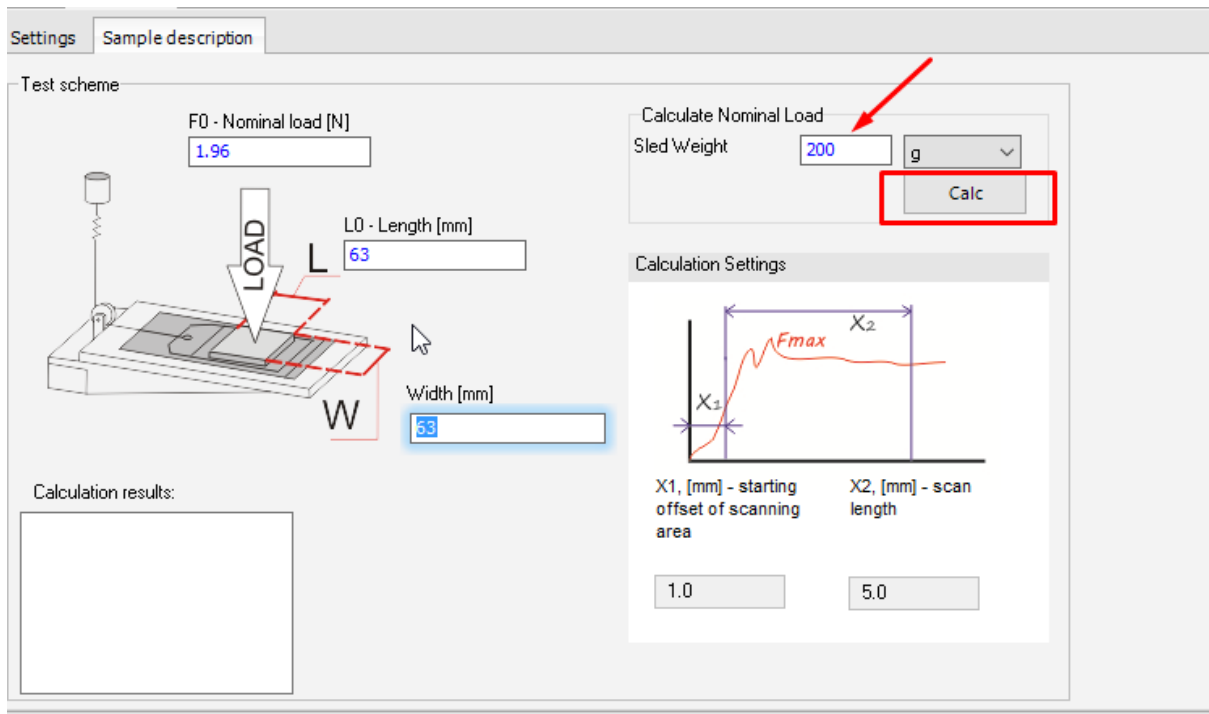
1. Select Friction test via 'method' tab



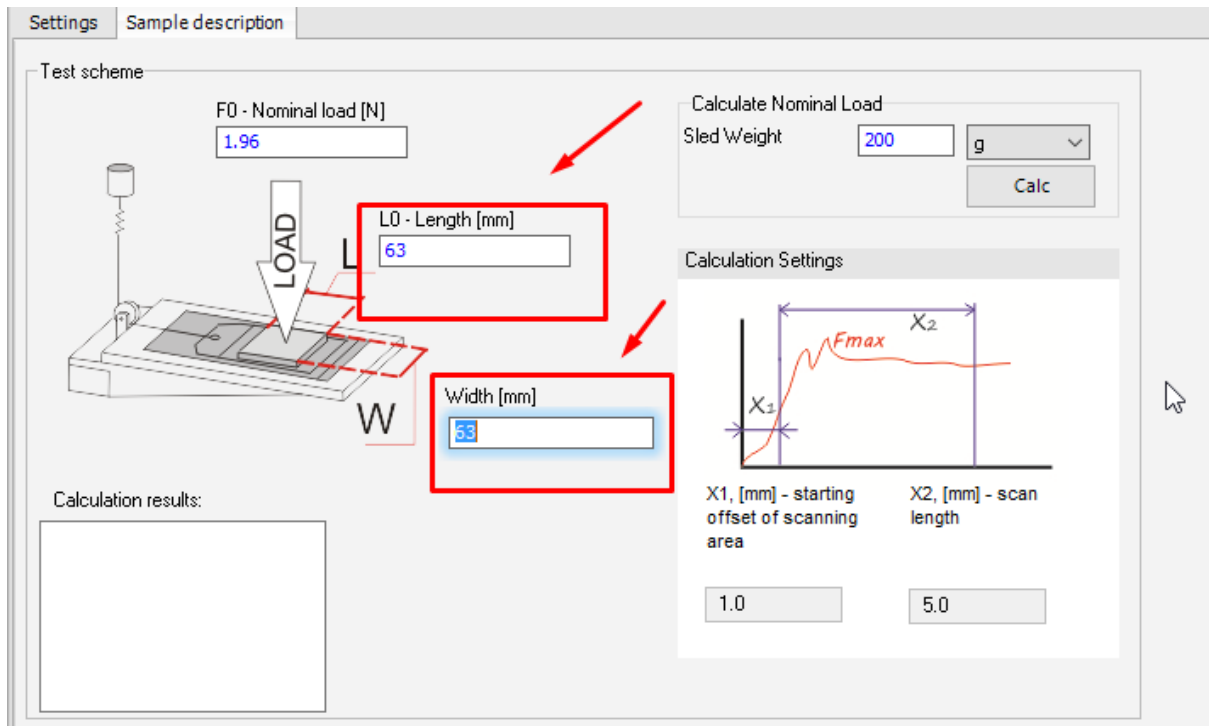
2. Fill up machine settings and project settings



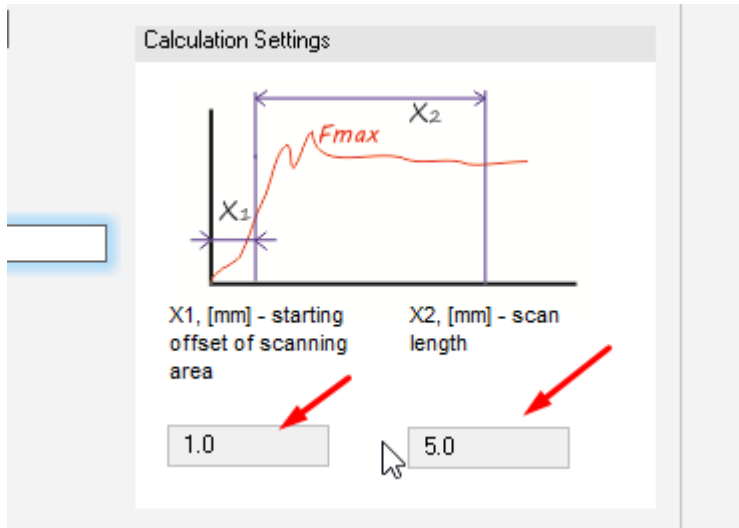
3. Calculate nominal load



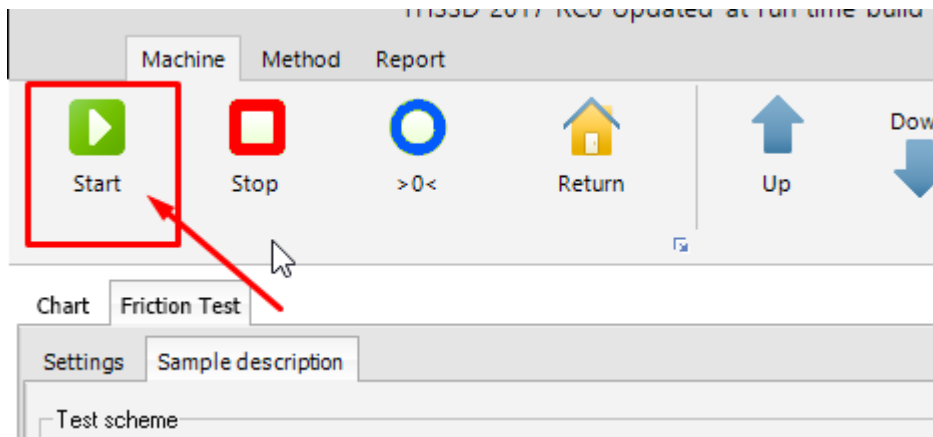
#### 4. Set sled sizes



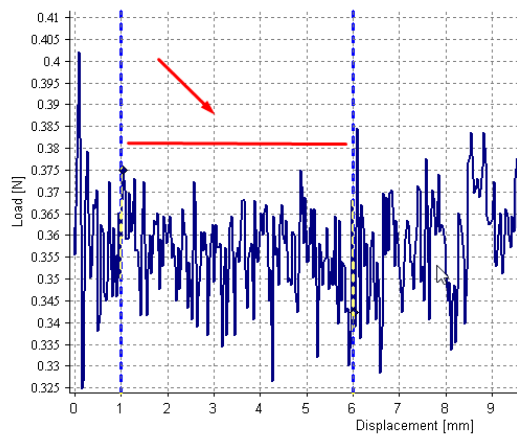
#### 5. Select scan area in mm



6. Run the test



7. Results will be calculated automatically for selected area on the curve



Settings Sample description

Test scheme

F0 - Nominal load [N]  
1.96

L0 - Length [mm]  
63

Width [mm]  
33

LOAD

Calculate Nominal Load

Sled Weight 200 g

Calc

Calculation Settings

X1, [mm] - starting offset of scanning area  
1.0

X2, [mm] - scan length  
5.0

Calculation results:

- X1, [mm] = 1 X2, [mm] = 6
- Fs max, [N] = 0.3749
- Fd, [N] = 0.3557
- Fd max, [N] = 0.3749
- Fd min, [N] = 0.3266
- Fn, [N] = 1.96
- Static COF = 0.1913
- Dynamic COF = 0.1815

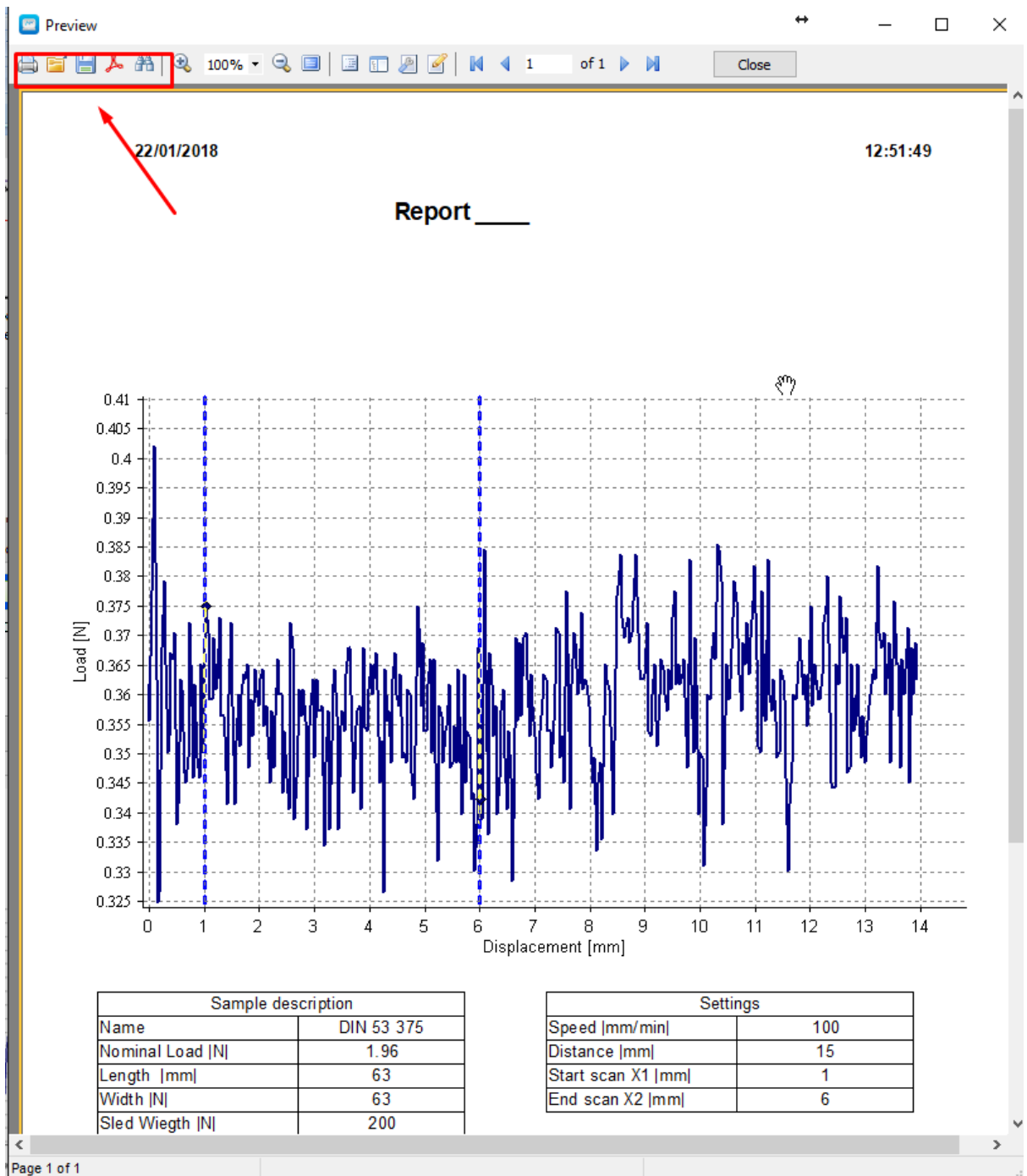
## 8. View the report

Machine Method Report

Print Chart \*xlsx Report Report Export to Excel Export to Text User Logo

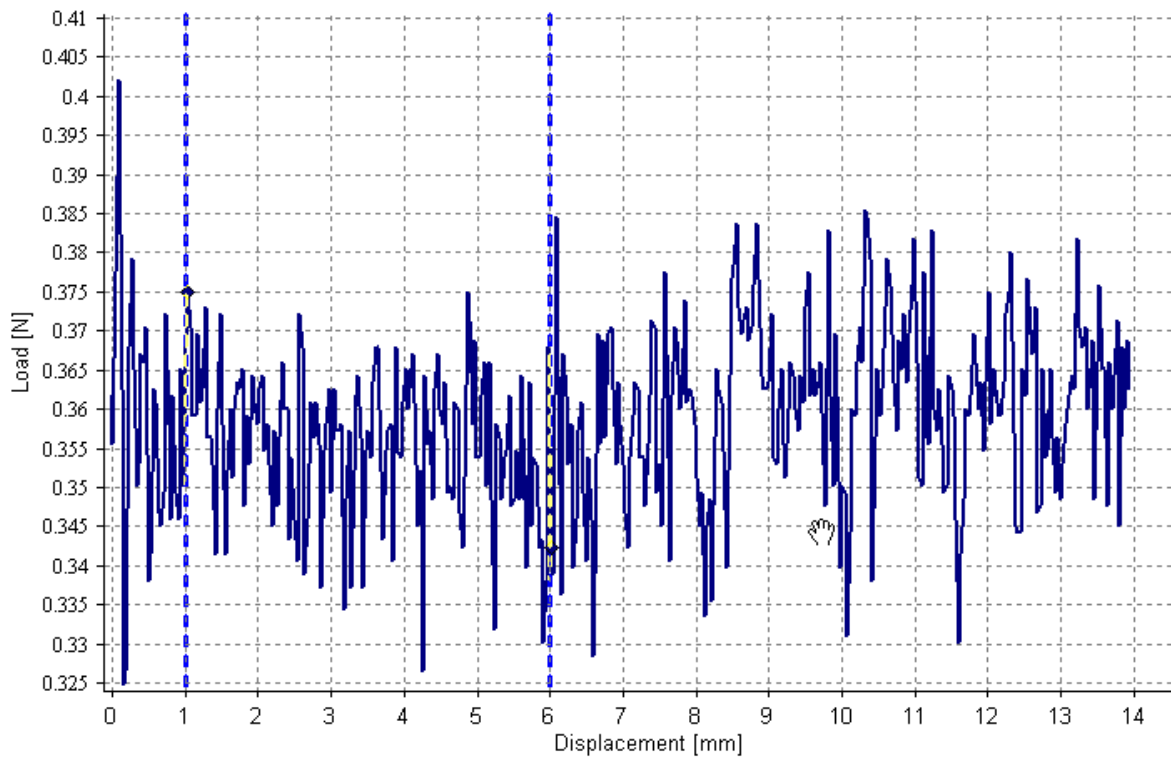
Chart Friction Test

Settings Sample description



It's possible to save the report into PDF file or add it to print query via preview bar

## Report \_\_\_\_\_



Sample description	
Name	DIN 53 375
Nominal Load [N]	1.96
Length [mm]	63
Width [mm]	63
Sled Weight [N]	200

Settings	
Speed [mm/min]	100
Distance [mm]	15
Start scan X1 [mm]	1
End scan X2 [mm]	6

Results	
Coefficient of friction (COF)	0.18
Max. COF	0.19
Max. Force of friction [N]	0.37
Force of friction [N]	0.36