

Nano Scratch Test    Airglide



# Non treated : Scratch # 1

## Scratch parameters

Linear Scratch  
Type : Progressive  
Begin Load (N) : 0.00  
End Load (N) : 0.5  
Loading rate (N/min) : 0.99

AE Sensitivity : 9  
Scanning load (N) : 0.00  
Speed (mm/min) : 2  
Length (mm) : 1  
Position X (mm) : 23.848

Position Y (mm) : 37.791  
+ NSTX S/N: 50-00133 settings  
Cantilever : HL-309  
Fn contact : 0.003 N  
Fn Speed : 0.02 N/s  
Fn Remove speed : 0.02 N/s  
Approach speed : 2 %/s  
Dz sensor in large range

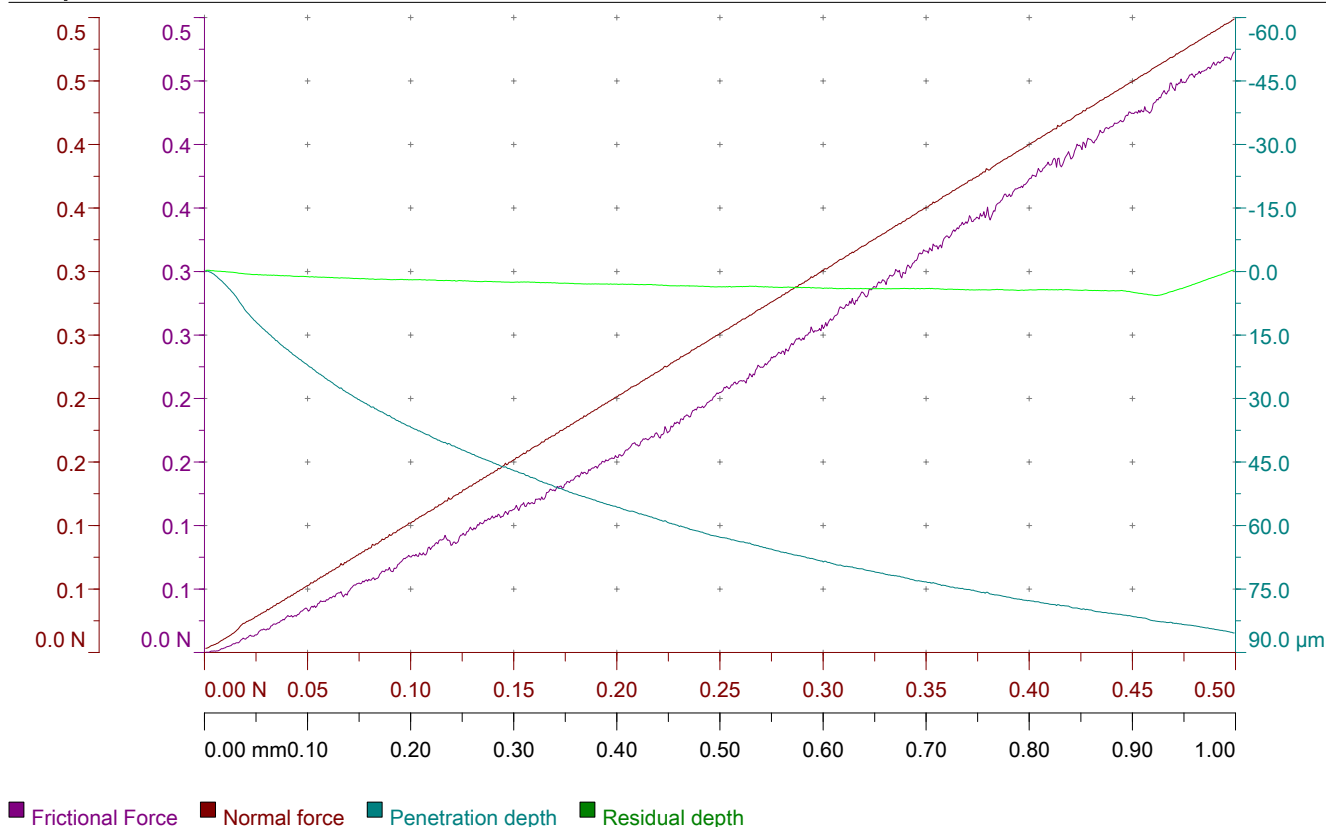
Date : 3/22/2012  
Hour : 8:30:27 AM

## Indenters

Type : Spherical  
Serial number : SD-A71

Material : diamond  
Radius ( $\mu\text{m}$ ) : 10

## Graph





NONAME.

## Non treated : Scratch # 2

### Scratch parameters

Linear Scratch  
Type : Progressive  
Begin Load (N) : 0.00  
End Load (N) : 0.5  
Loading rate (N/min) : 0.99

AE Sensitivity : 9  
Scanning load (N) : 0.00  
Speed (mm/min) : 2  
Length (mm) : 1  
Position X (mm) : 23.848

Position Y (mm) : 38.791  
+ NSTX S/N: 50-00133 settings  
Cantilever : HL-309  
Fn contact : 0.003 N  
Fn Speed : 0.02 N/s  
Fn Remove speed : 0.02 N/s  
Approach speed : 2 %/s  
Dz sensor in large range

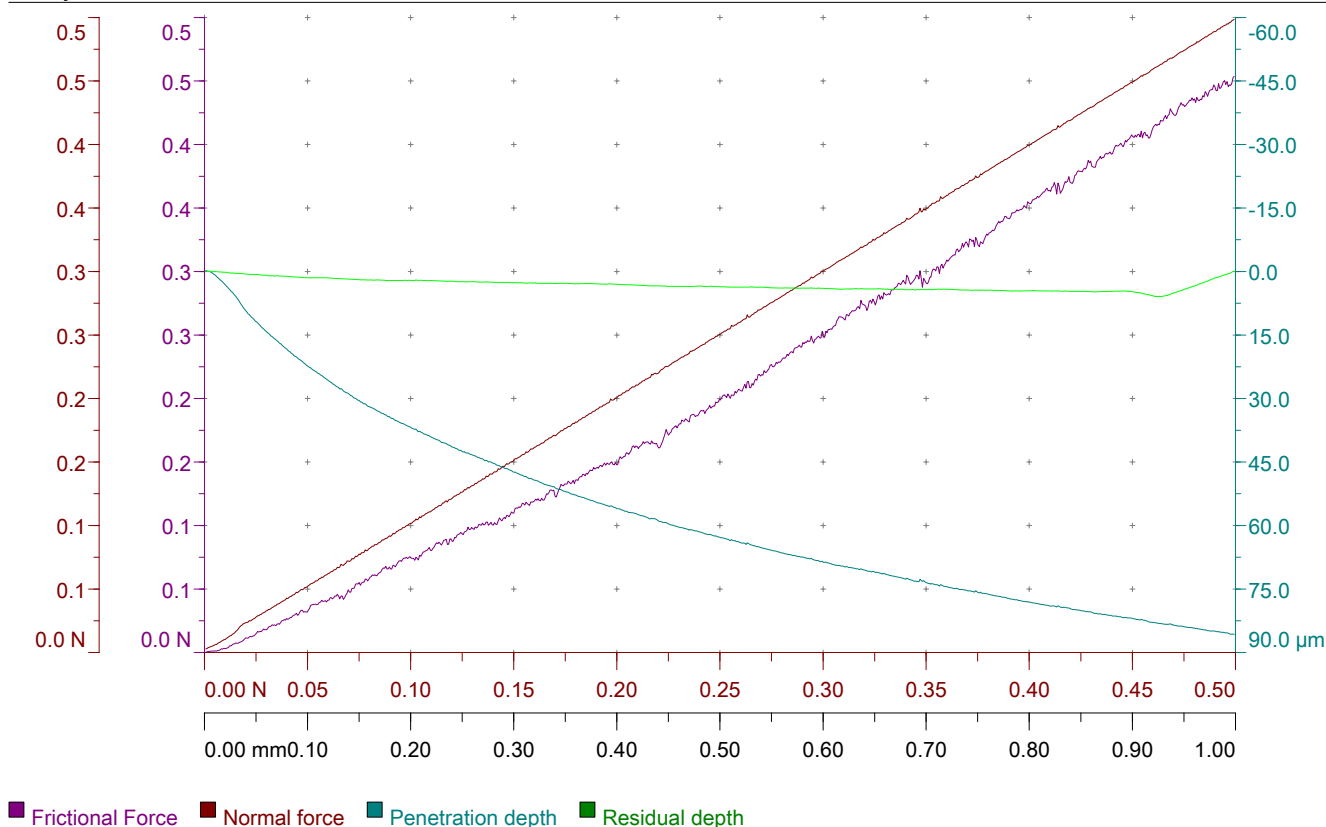
Date : 3/22/2012  
Hour : 8:35:19 AM

### Indenters

Type : Spherical  
Serial number : SD-A71

Material : diamond  
Radius ( $\mu\text{m}$ ) : 10

### Graph



## Non treated : Scratch # 3

### Scratch parameters

Linear Scratch  
Type : Progressive  
Begin Load (N) : 0.00  
End Load (N) : 0.5  
Loading rate (N/min) : 0.99

AE Sensitivity : 9  
Scanning load (N) : 0.00  
Speed (mm/min) : 2  
Length (mm) : 1  
Position X (mm) : 23.848

Position Y (mm) : 39.791  
+ NSTX S/N: 50-00133 settings  
Cantilever : HL-309  
Fn contact : 0.003 N  
Fn Speed : 0.02 N/s  
Fn Remove speed : 0.02 N/s  
Approach speed : 2 %/s  
Dz sensor in large range

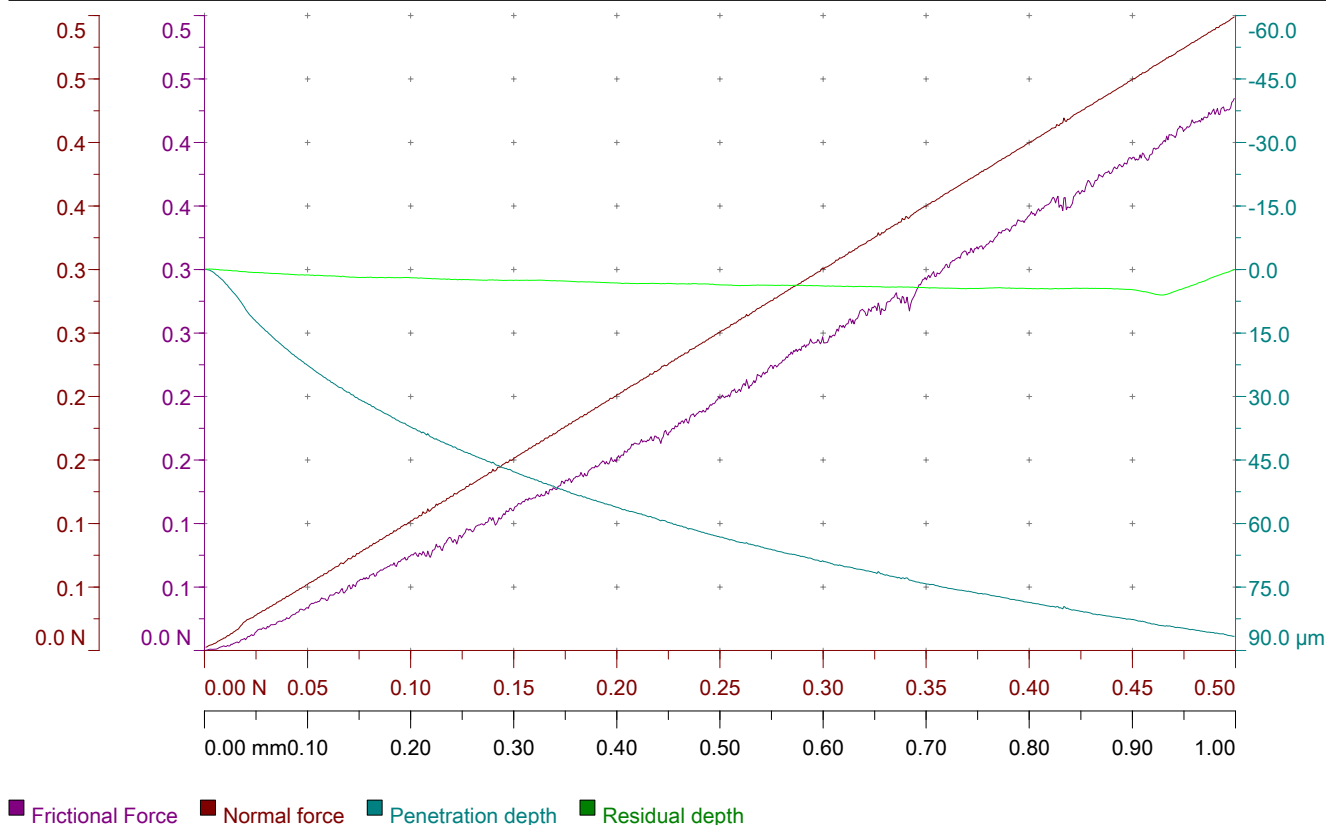
Date : 3/22/2012  
Hour : 8:40:12 AM

### Indenters

Type : Spherical  
Serial number : SD-A71

Material : diamond  
Radius ( $\mu\text{m}$ ) : 10

### Graph







## Treated : Scratch # 1

### Scratch parameters

Linear Scratch  
Type : Progressive  
Begin Load (N) : 0.00  
End Load (N) : 0.5  
Loading rate (N/min) : 0.99

AE Sensitivity : 9  
Scanning load (N) : 0.00  
Speed (mm/min) : 2  
Length (mm) : 1  
Position X (mm) : 23.848

Position Y (mm) : 37.791  
+ NSTX S/N: 50-00133 settings  
Cantilever : HL-309  
Fn contact : 0.003 N  
Fn Speed : 0.02 N/s  
Fn Remove speed : 0.02 N/s  
Approach speed : 2 %/s  
Dz sensor in large range

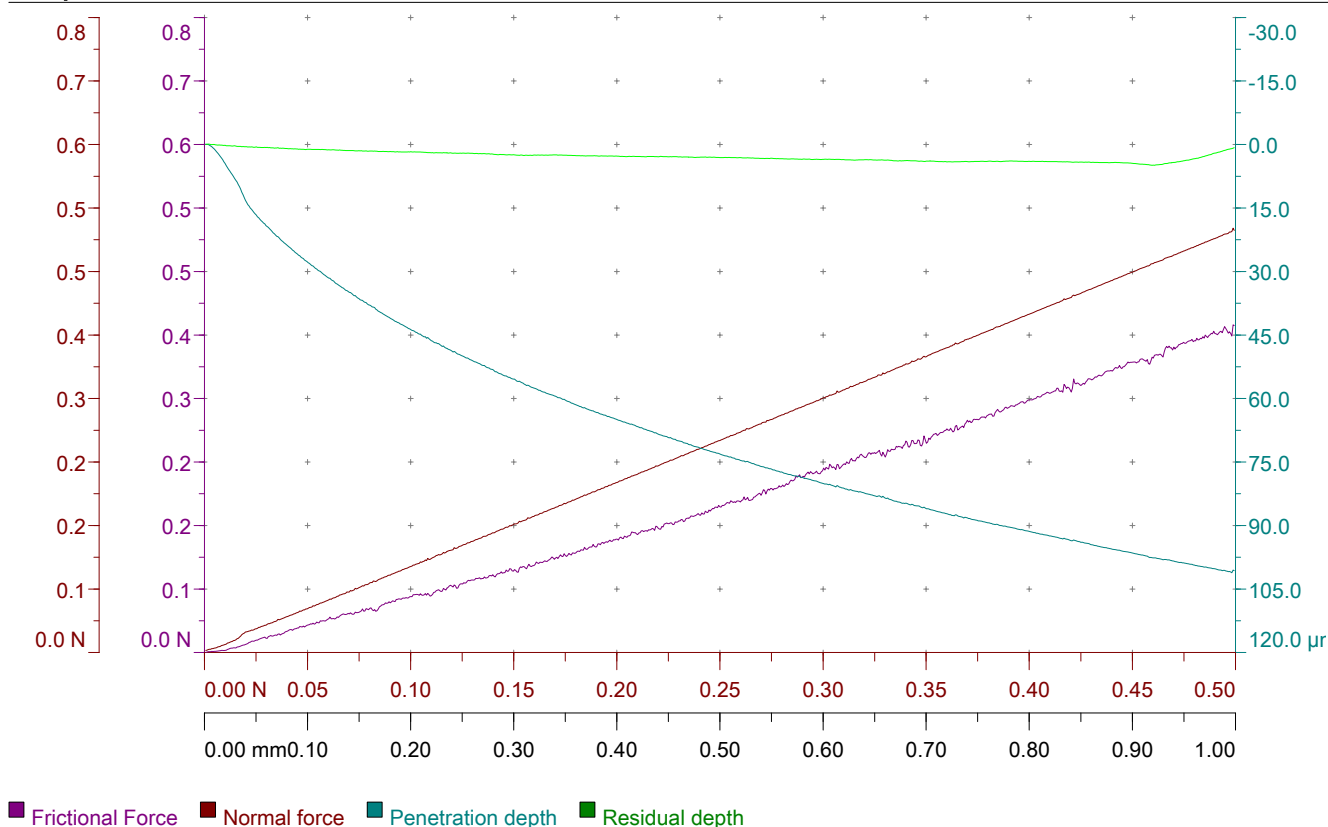
Date : 3/22/2012  
Hour : 9:03:07 AM

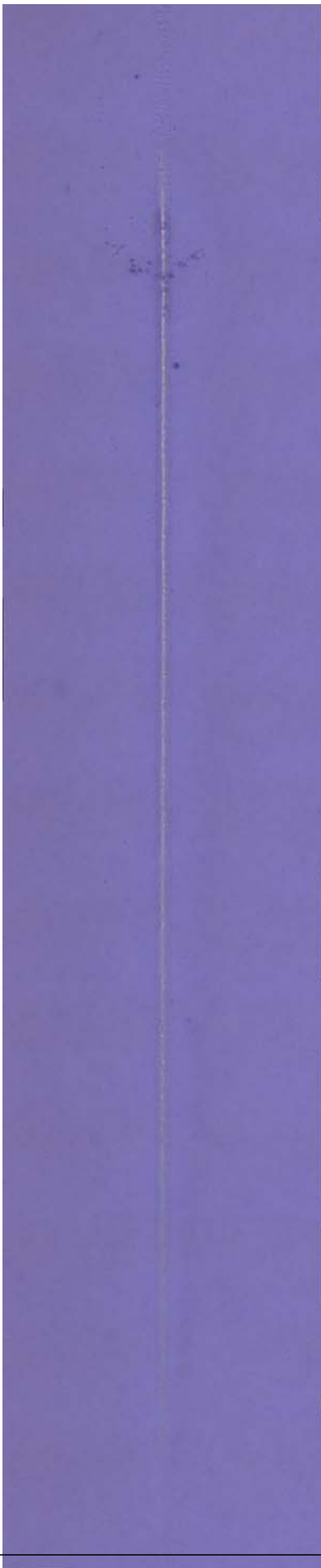
### Indenters

Type : Spherical  
Serial number : SD-A71

Material : diamond  
Radius ( $\mu\text{m}$ ) : 10

### Graph





NONAME.

## Treated : Scratch # 2

### Scratch parameters

Linear Scratch  
Type : Progressive  
Begin Load (N) : 0.00  
End Load (N) : 0.5  
Loading rate (N/min) : 0.99

AE Sensitivity : 9  
Scanning load (N) : 0.00  
Speed (mm/min) : 2  
Length (mm) : 1  
Position X (mm) : 23.848

Position Y (mm) : 38.791  
+ NSTX S/N: 50-00133 settings  
Cantilever : HL-309  
Fn contact : 0.003 N  
Fn Speed : 0.02 N/s  
Fn Remove speed : 0.02 N/s  
Approach speed : 2 %/s  
Dz sensor in large range

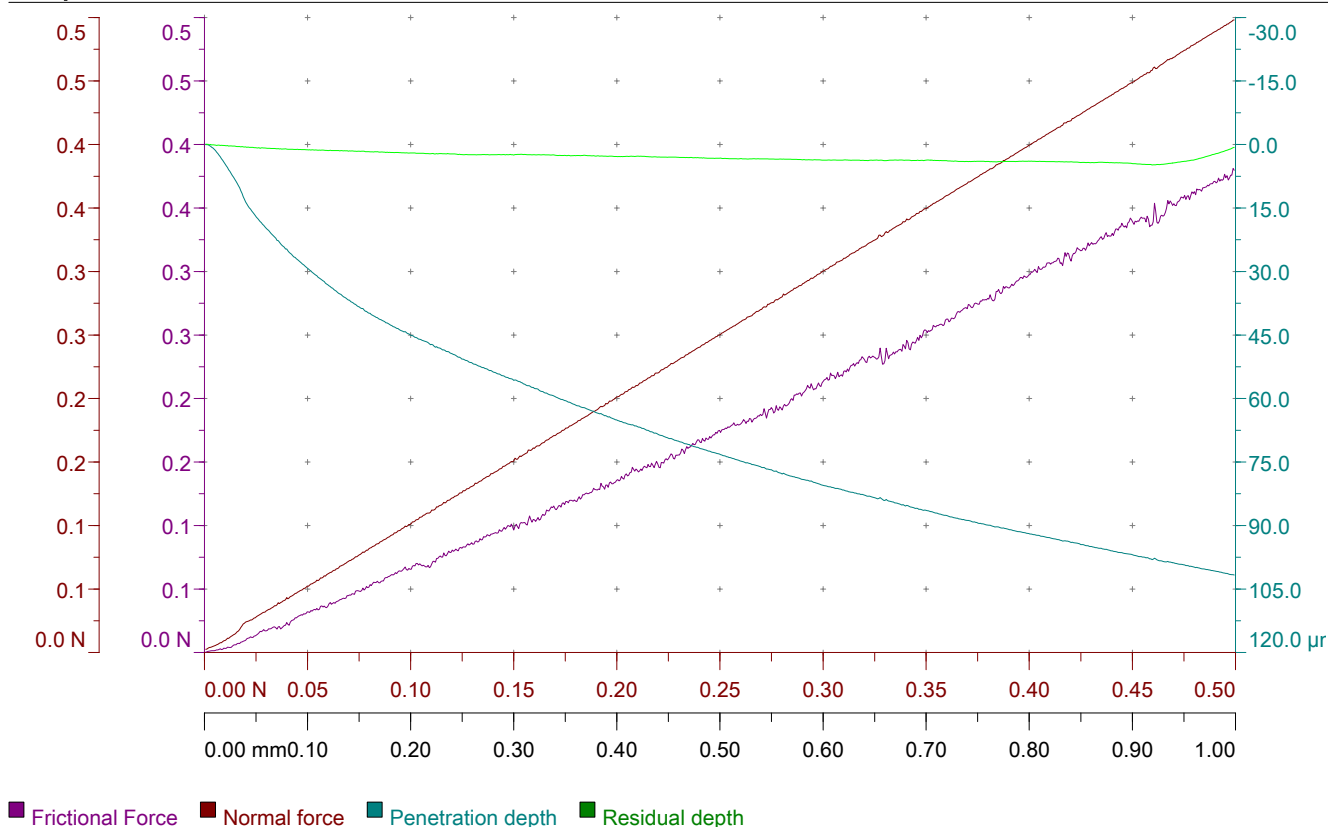
Date : 3/22/2012  
Hour : 9:08:01 AM

### Indenters

Type : Spherical  
Serial number : SD-A71

Material : diamond  
Radius ( $\mu\text{m}$ ) : 10

### Graph



# Treated : Scratch # 3

## Scratch parameters

Linear Scratch  
Type : Progressive  
Begin Load (N) : 0.00  
End Load (N) : 0.5  
Loading rate (N/min) : 0.99

AE Sensitivity : 9  
Scanning load (N) : 0.00  
Speed (mm/min) : 2  
Length (mm) : 1  
Position X (mm) : 23.848

Position Y (mm) : 39.791  
+ NSTX S/N: 50-00133 settings  
Cantilever : HL-309  
Fn contact : 0.003 N  
Fn Speed : 0.02 N/s  
Fn Remove speed : 0.02 N/s  
Approach speed : 2 %/s  
Dz sensor in large range

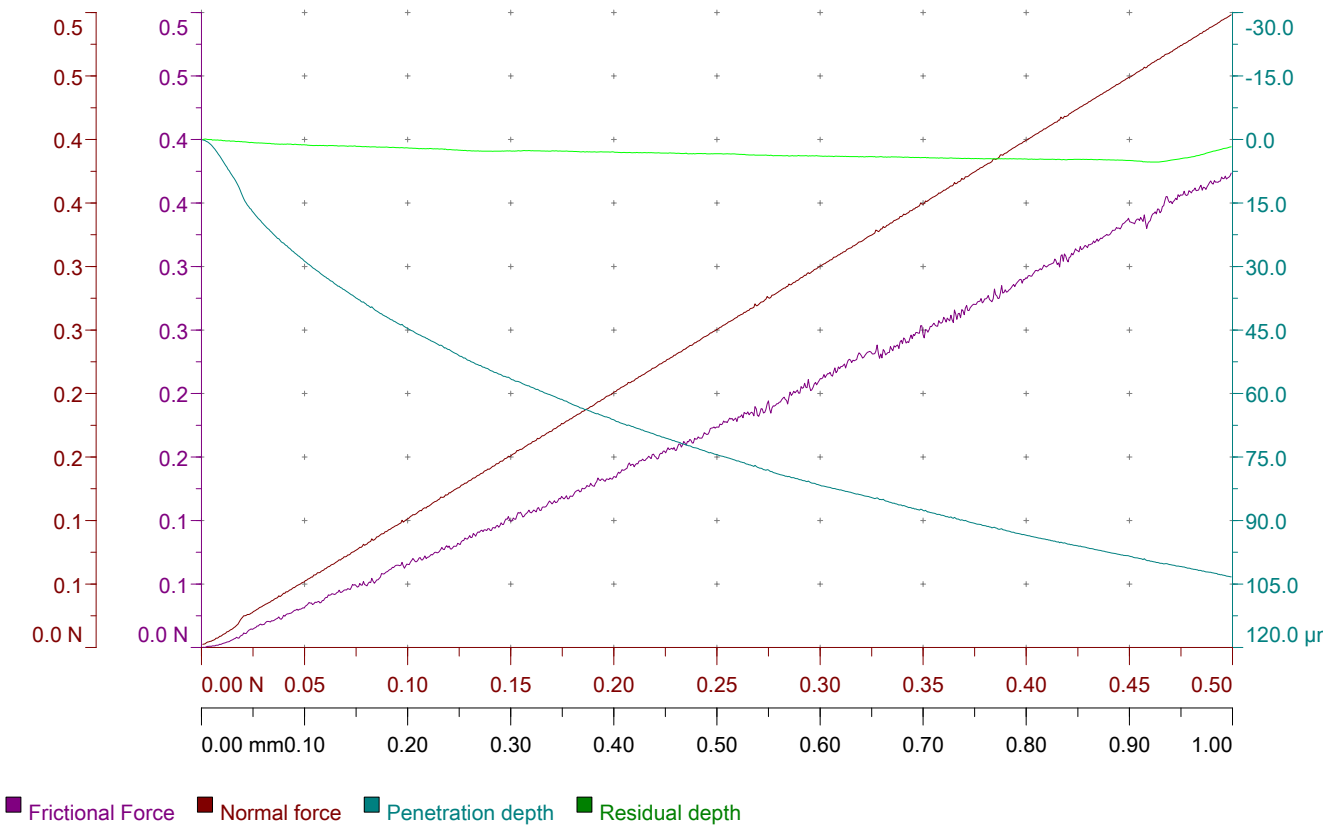
Date : 3/22/2012  
Hour : 9:12:54 AM

## Indenters

Type : Spherical  
Serial number : SD-A71

Material : diamond  
Radius ( $\mu\text{m}$ ) : 10

## Graph



# Statistic

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## New Report

|  |  |             |         |
|--|--|-------------|---------|
|  |  | Non treated | Treated |
|--|--|-------------|---------|

# Summary

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|                           |    |
|---------------------------|----|
| Non treated               | 1  |
| Sample specifications     | 1  |
| Informations              | 1  |
| Non treated : Scratch # 1 | 2  |
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| Indenters                 | 2  |
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| Graph                     | 5  |
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| Graph                     | 6  |
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| Informations              | 7  |
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