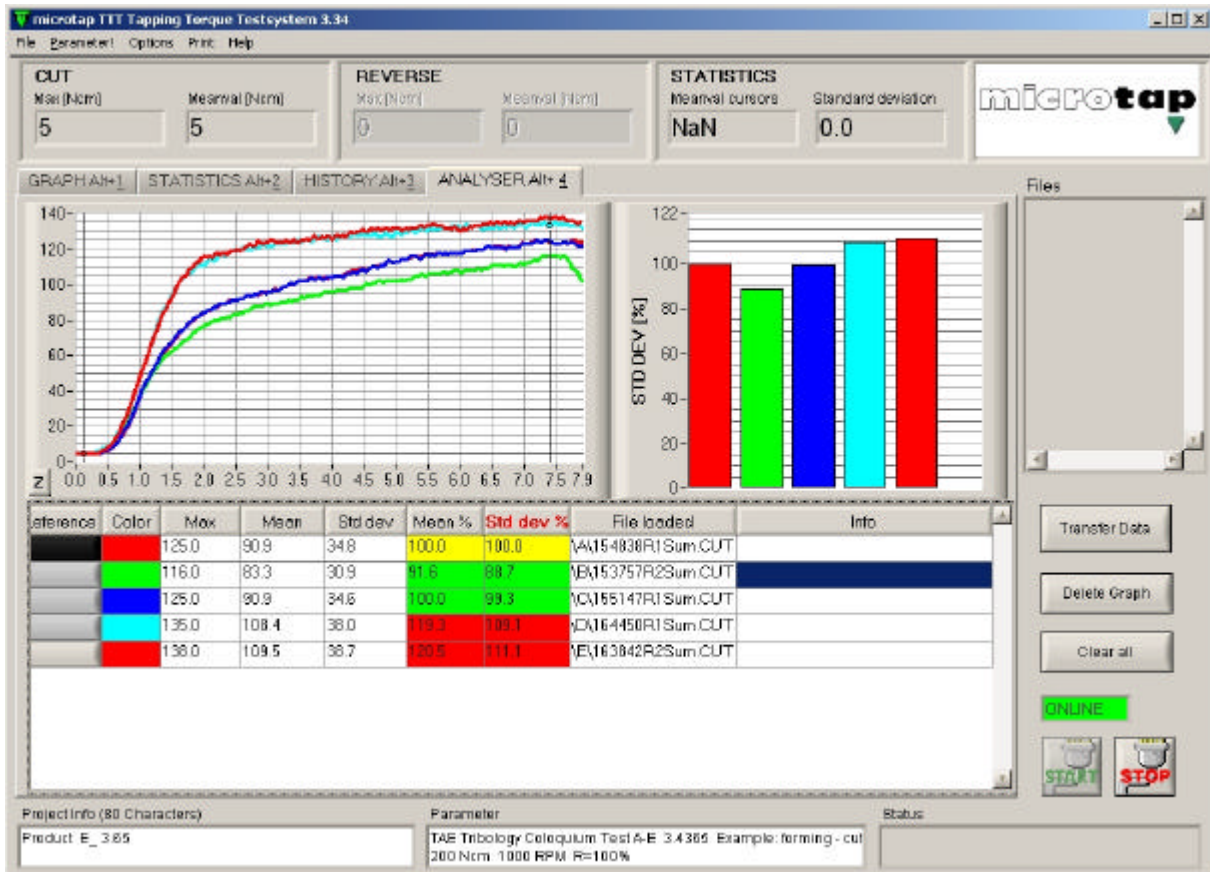


**labtap G8 - WinPCA Software**

Thraed-Forming M4 in stainless steel / 1.4571 with 2x D depth with different lubricants and forming taps for best production-parameters (optimal speed, best tap and best lubricant)



**Purpose**

Computes the standard deviation and the mean (average) values of the input array. The formulas used to find the mean and the standard deviation are as follows:

$$\text{Average (meanvale)} = \sum_{i=0}^{n-1} x_i / n \quad \text{sDev} = \sqrt{\sum_{i=0}^{n-1} [x_i - \text{ave}]^2 / n}$$

Meanvale / Arithmetic method

The expression is called arithmetic methods of n sizes  $a_1, a_2, \dots, a_n$

$$c_A = \frac{a_1 + a_2 + \dots + a_n}{n} = \frac{1}{n} \sum_{k=1}^n a_k \quad \text{For two sizes a and b emerges} \quad c_A = \frac{a + b}{2}$$