



DIGITAL INDICATE

PROTEC  
ENGINEERING

# 钢版用张力计

## MODEL MTG-08A

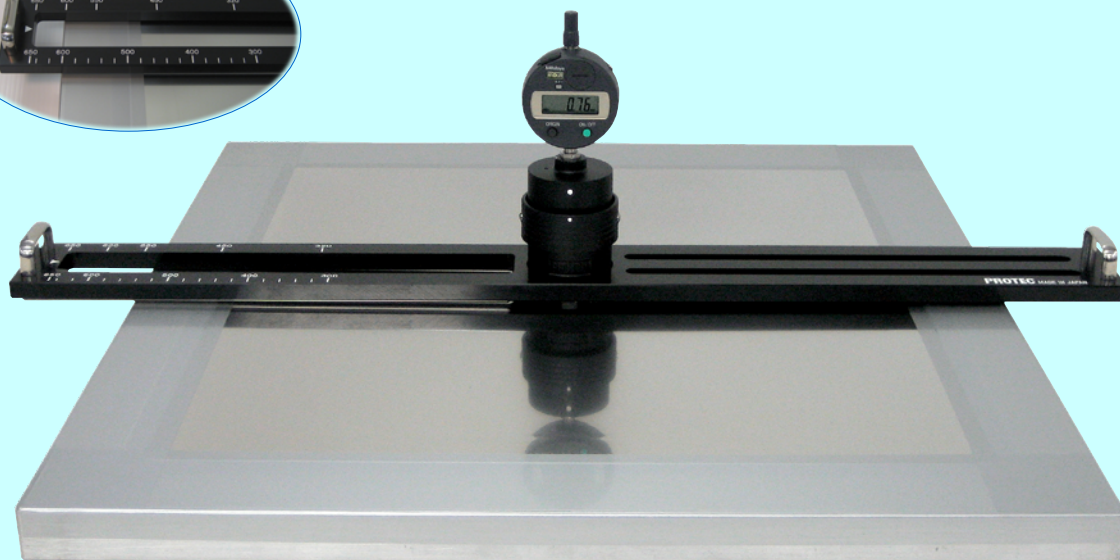
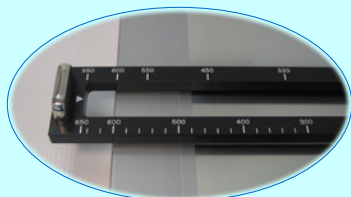
专利第5296519号

您是否一直对钢版张力的测定感到疑问？这里可以解决您的疑问！

**那就是钢版专用张力计**

在丝网版张力计中几乎占市场的100%的PROTEC，自信推出了钢版专用张力计。

《测定数据可以导出到电脑里。》

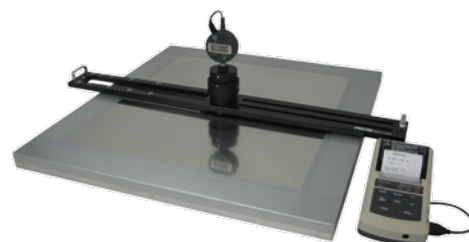


\*请按照钢版规格选择500、700、1000的三个型号。（除左记型号以外也可以按照客户要求特别制作）

到目前为止钢版张力的测定，一般都在使用敝公司产品丝网版用张力计STG-75或STG-80。但是使用STG系列，测定时张力计的支点部分也会位置在钢版内，与网布不同的钢版硬度的影响也很大，无法得到正确的测定值。这次发表MTG-08A，支点位置在钢版外侧（网框），可以得到理想的整个钢版张力。与STG系列一样是手持式使用方便，而且标准装备了可以确认位置的刻度。借此机会务必请试一试为钢版专门设计的MTG-08A。

### ■ 主な仕様

項目	型号	MTG-08A-500	MTG-08A-700	MTG-08A-1000
用途		所有钢板		
测定値显示		数据显示		
测定范围		0.00mm~2.50mm		
数据输出		数据输出接头		
测定的方向性		有方向性		
对应钢板规格(外形)		~480mm	~680mm	~980mm
测定负荷		约500g		
滑动测定子形状		玄月型		
电源		氧化银电池		
重量(g)		约2100	约2300	约2600
选配件		打印机(DP-1VA)、连接缆		



〈 打印机 OPTION 〉

※为产品改良，恕不通知规格及外观的部分变更。

制造厂

PROTEC  
ENGINEERING

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咨询

# METAL MASK TENSION GAUGE

## Introduction of MTG-08A

### 【1.Preface】

In a screen mask tension gauge “STG-75”, “STG-80”, the tension of a metal mask was not able to be measured with sufficient accuracy. Therefore, in the substrate mounting industry, it was years of subject to manage the tension of a metal mask appropriately.

In order to solve this, we developed the metal mask tension gauge “MTG-08A” lately.

### 【2.Principle of MTG-08A】

The STG series for screen masks (STG-75, STG-80) has been used also for tension measurement of the conventional metal mask.

However, since the fulcrum portion at the time of measurement was located in a metal in the case of STG series (Fig.1), the influence of gauge weight and the influence of metal hardness were great, and an exact tension value was not acquired.

At MTG-08A only for a metal mask, tension measurement with the ideal whole mask was attained by putting a fulcrum on the mask outside (frame portion). (Fig.2)

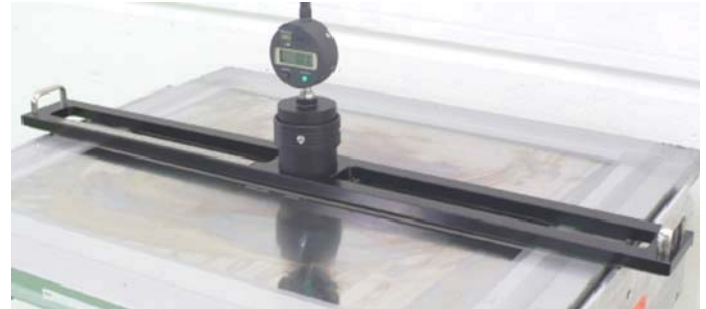


Fig.1

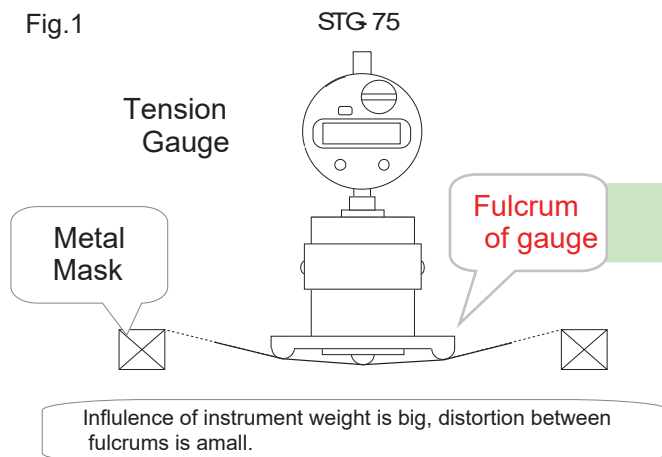
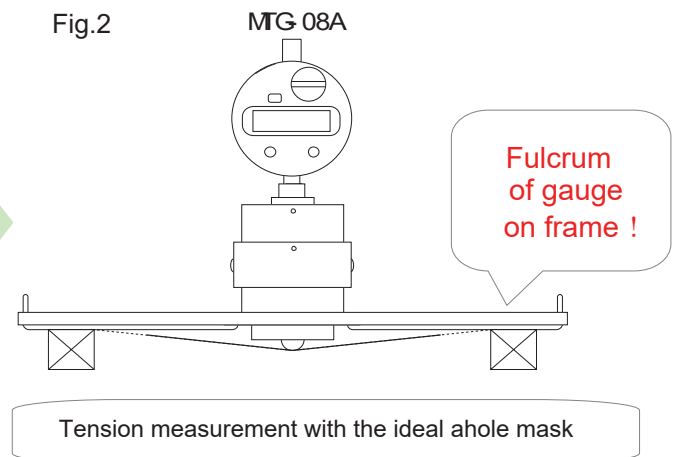
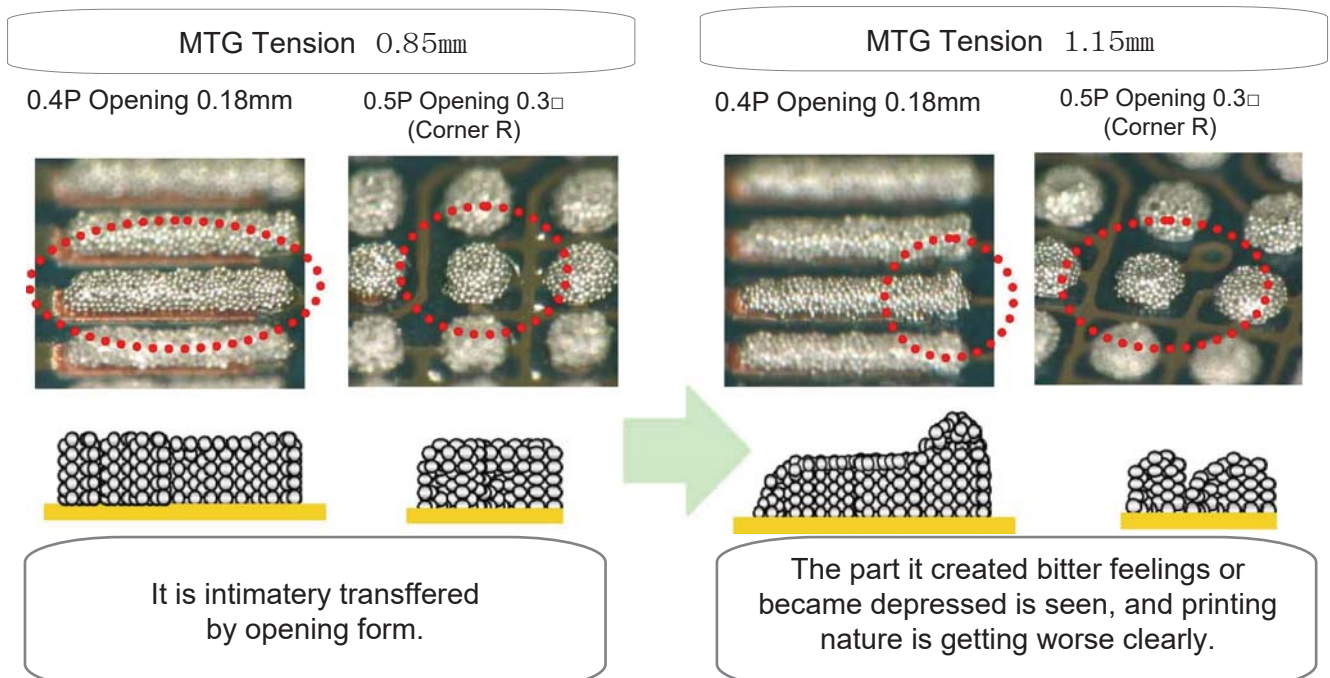


Fig.2



### 【3.Influence of Tension】

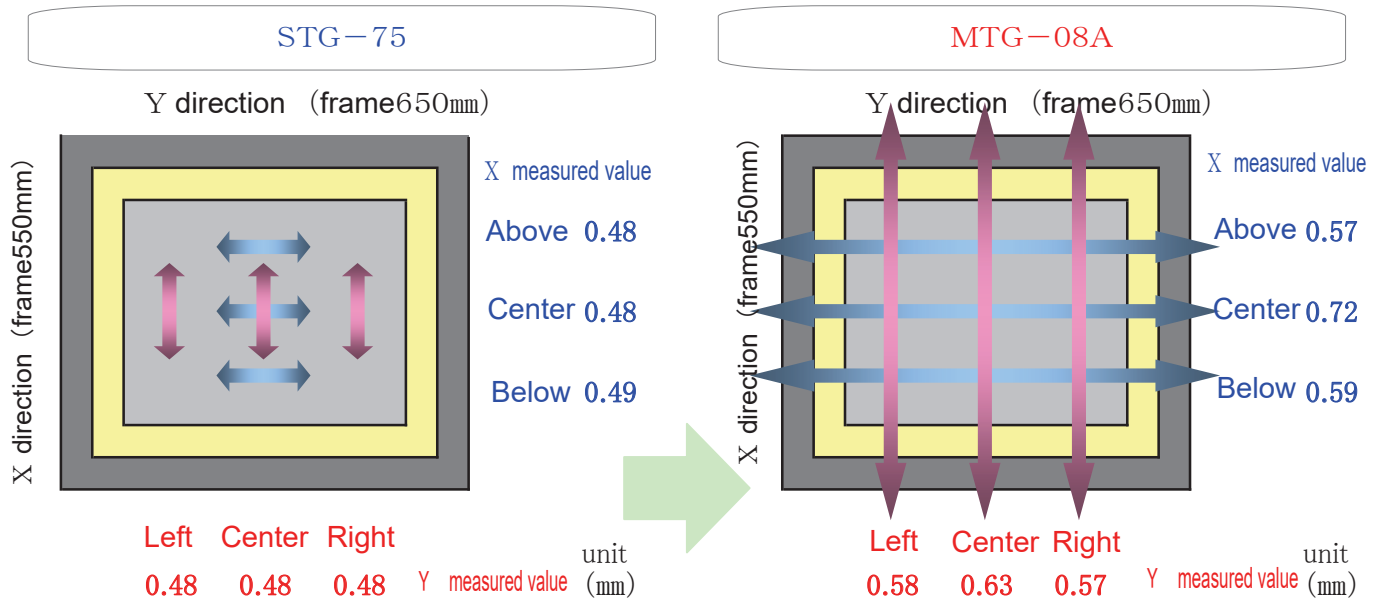
A metal mask tension shows how much printing nature is influenced.



# METAL MASK TENSION GAUGE Introduction of MTG-08A

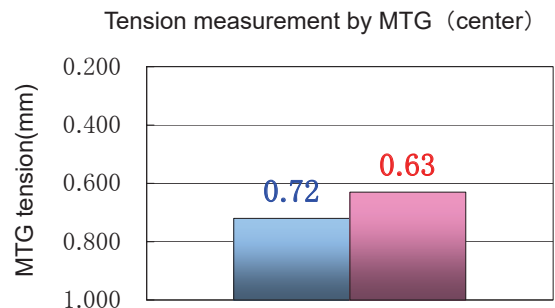
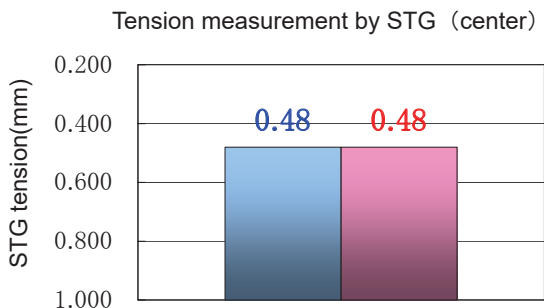
## 【4. Comparison of MTG and STG】

The same metal mask was measured by STG-75 and MTG-08A. It is comparison of the result.



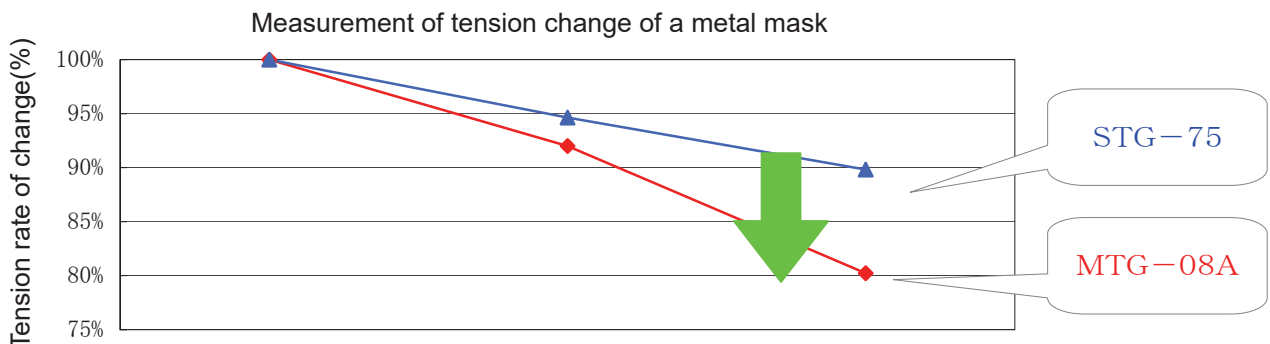
The unevenness of measurements is 0.01mm. It is not changeful wherever it may measure.

The unevenness of measurements is 0.15mm. It is changeful to measurements in a center and the surroundings.



X and Y are visible to the tension with sufficient balance.

Variation appeared in X and Y



The tension change by mask use does not appear in STG.

As mentioned above, by utilizing the metal mask tension gauge, it precedes with the industry and can manage masks original with you.

We think that this metal mask tension management leads to the improvement in the printing yield and the printing quality.