

## MNG-BV

### Needle gripper + floating gripper

pneumatic needle gripper

Number of steel needles:10

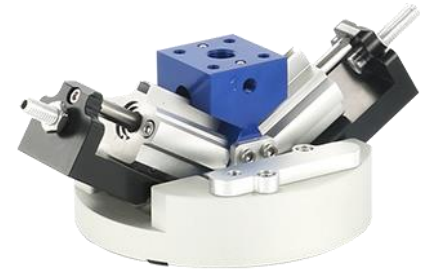
Needle stroke:0~7mm



Composite material



Textile

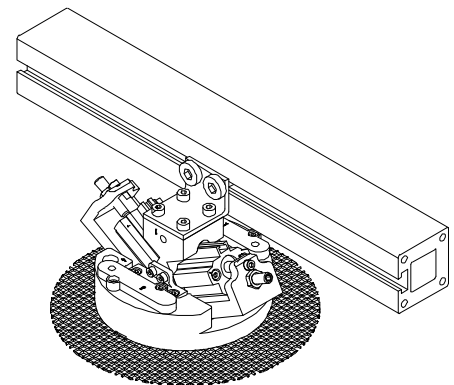


### Introduction

- Used to handle non-rigid and highly porous materials (mainly textiles)
- Handles composite textiles that are hardly be gripped via a vacuum, such as wool, filtering materials, insulation and foam materials, etc.
- With a needle positioning function to enable accurate positioning of the product
- An additional function of floating gripping enables textiles to be suctioned evenly

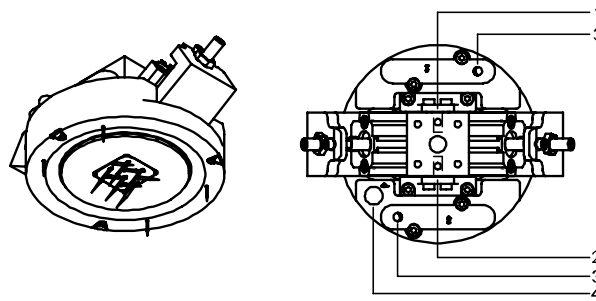
### Application

- Reliable separation achieved by means of Bernoulli's principle
- Crossed needles enable even quite unstable workpieces to be fixed securely
- Adjustable needle stroke can adapt to various workpieces in a personalized way
- The floating gripper is equipped optionally to enable flexible processing



## Structure

- Robust aluminum casing
- The compressed air port 1 control cylinder drives the 1.2 mm needle to stick out and is inserted at 30°
- The compressed air port 2 control cylinder drives the 1.2 mm needle to retract
- The compressed air port 3 control cylinder controls the 0.8 mm needle to achieve positioning
- The compressed air port 4 supplies compressed air to achieve traceless reinforced suction



## purchase guide

**MNG-BV 10 1.2 V 7**

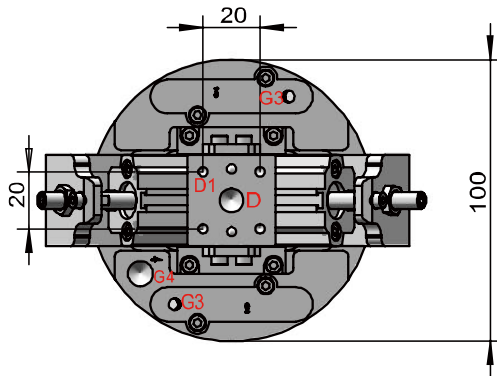
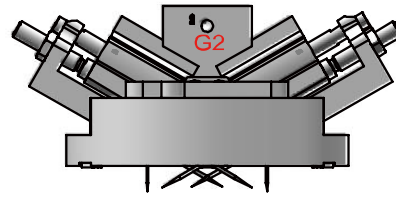
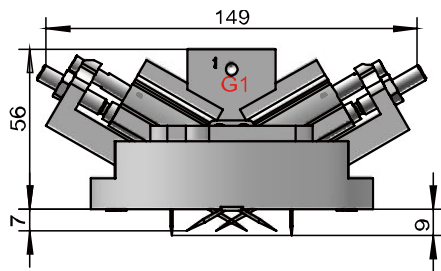
①            ②            ③            ④            ⑤

① Product series	② Number of steel needles	③ Steel needle diameter	④ Additional function	⑤ Adjustable Stoke
MNG-BV	10	1.2 - $\phi$ 1.2mm	V - Ordinary steel needle V-HT - Stainless steel needle	7mm

## Technical parameters

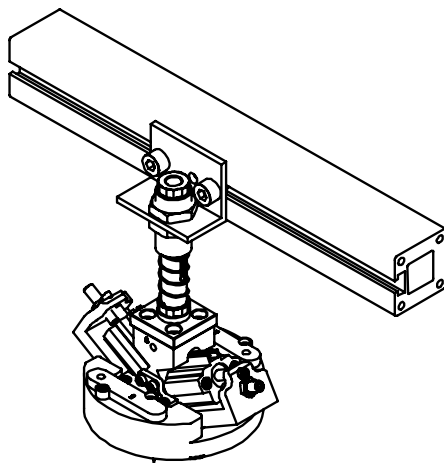
Abbreviation	Number of steel needles	Steel needle diameter mm	Adjustable Stoke mm	Function
MNG-BV	10	1.2	7	Adjustable needle Stoke, needle positioning function, no floating gripper function

Design parameters



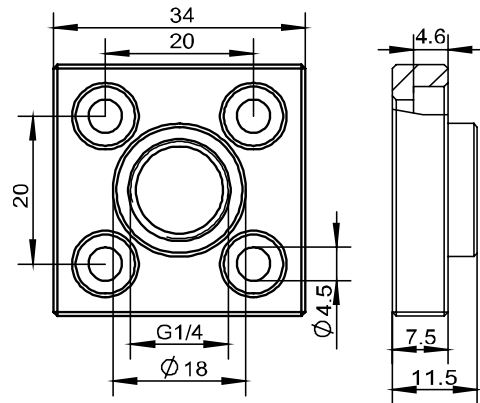
- G1: Cylinder air inlet (M5)
- G2: Cylinder air inlet (M5)
- G3: Positioning needle air inlet (M5)
- G4: Floating gripper air inlet (G1/8)
- D: Mounting hole (G1/8)
- D1: Mounting hole (4-M5)

installation illustration



Mounting plate design parameters

MNG-V FL



Model specifications fittings

Name	Model
Needle gripper mounting plate	MNG-V 1.2 FL

Recommended buffer plunger specifications

Name	Model
Buffer plunger	MTE G1/4-AG□