Magnetic Disk - Adapter Plate

Introduction

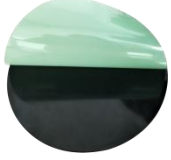
The traditional sandpaper/polishing cloth-grinder chassis system, when using non-adhesive products, because the sandpaper/polishing cloth does not fit closely with the chassis, it is easy to cause arcs and large reliefs on the sample when grinding and polishing the sample. At the same time, the loose sandpaper/polishing cloth is closely tangent to the edge of the sample, which accelerates the loss of sandpaper/polishing cloth and reduces the service life of the product. It is also extremely easy to cause the specimen to poke through the sandpaper/polishing cloth and the specimen to be thrown out causing damage. However, when using adhesive-backed sandpaper/polishing cloth, it is troublesome to replace the sandpaper/polishing cloth due to the adhesive, and the remaining glue blocks are likely to make the surface of the sandpaper/polishing cloth uneven, which has an adverse effect on the grinding and polishing of the sample, thus reducing the overall sample preparation efficiency.

The magnetic disc-transfer disc system uses a soft magnetic pad that is attached to the sander chassis, and then the sandpaper/polishing cloth is attached to the transfer disc, thus combining the advantages of both methods of sandpaper/polishing cloth use. Adhering the sandpaper/polishing cloth to the transfer disc ensures the flatness and firmness of the sandpaper/polishing cloth; The magnetic disc-transfer disc system, which relies on magnetic attraction, facilitates quick change of sandpaper/polishing cloth and improves the efficiency of grinding and polishing.

Trojan magnetic discs use rubber soft magnets, with thick discs, flat surfaces, good plasticity, light quality and very durable. It can be used with AD-PSA adapter plate, AD-Foil adapter plate and AD-PB adapter plate. These adapter plate s are made of stainless steel with flat and smooth surface, thin disc body, good rigidity, and very durable.



AD-PSA



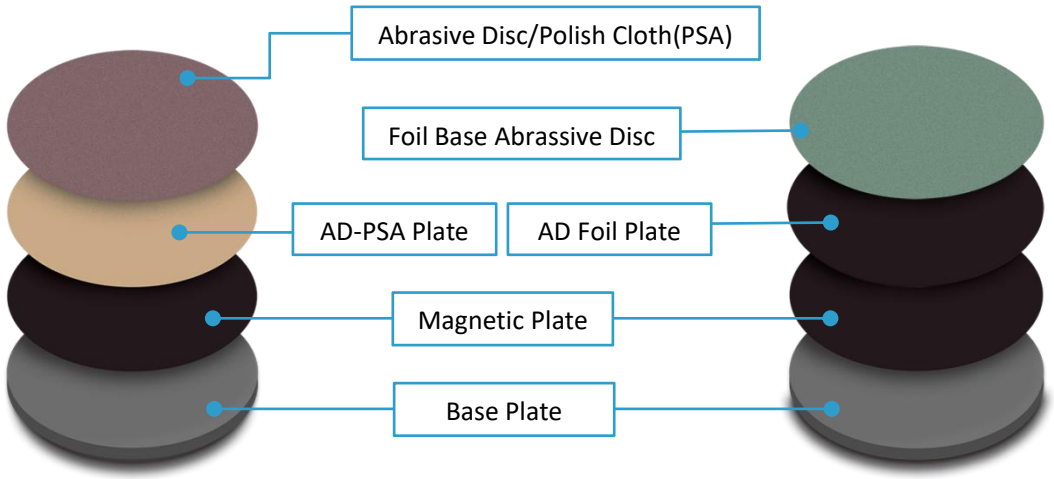
AD-Foil



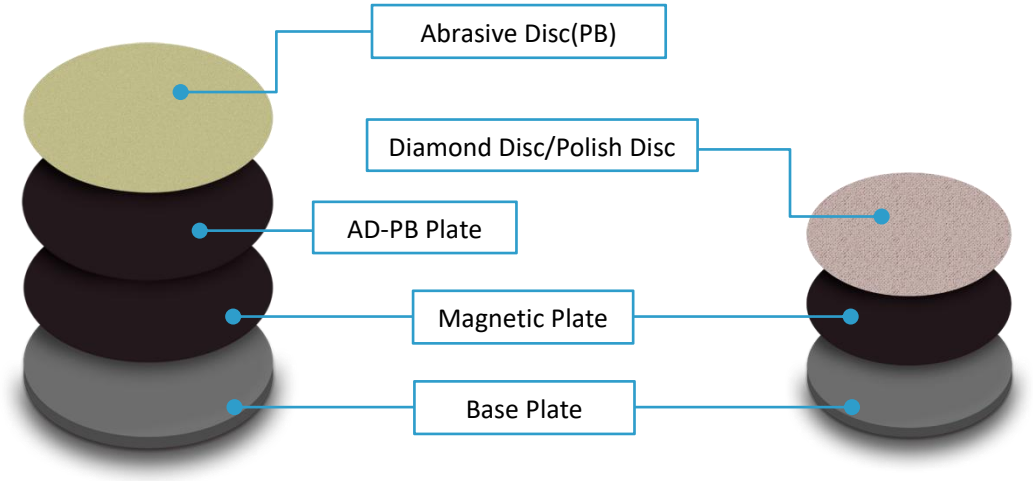
AD-PB



AMagnetic Plate



AD-PSA Plate **AD-Foil Plate**



AD-PB Plate **Magnetic Plate**

Technical parameter

Type	Scope of application	Specification（mm）
AD-PSA	AD-PSA is a specially coated adapter plate that removes adhesive-backed sandpaper/cloths easily and without residue.	200 250 300
AD-Foil	AD-Foil adapter plate are suitable for PET abrasive paper or diamond grinding discs. If the AD-Foil adapter plate gets dirty, just clean it with water.	
AD-PB	AD-PB adapter plate are suitable for non-adhesive or diamond grinding discs. There is a reusable adhesive layer on the surface of the AD-PB plate. The non-adhesive sandpaper can be stuck on the surface, and it is very easy to tear off. If there is any stain on the surface, it can be easily removed by washing with water.	

Instructions

1. Usage method of magnetic disk

（1）Make sure the grinder-polisher chassis is flat, which can be checked with a tool with a straight edge.

（2）Indentations that protrude more than 0.01mm must be removed. Holes have little effect.

（3）Ensure that the grinding and polishing machine chassis is bright and clean without pollution, P400 or P800 sandpaper can also be used for sanding and shining.

（4）Peel off the sticker before use.

（5）Place a weight on the magnetic disk for 24 hours.

（6）Tear off 1/4 of the adhesive sticker before use, and then overlap the edge of the magnetic disk with the edge of the chassis. While tearing off the adhesive sticker, paste the magnetic disk, and at the same time make a zigzag movement on the magnetic disk to avoid air bubbles under the magnetic disk.

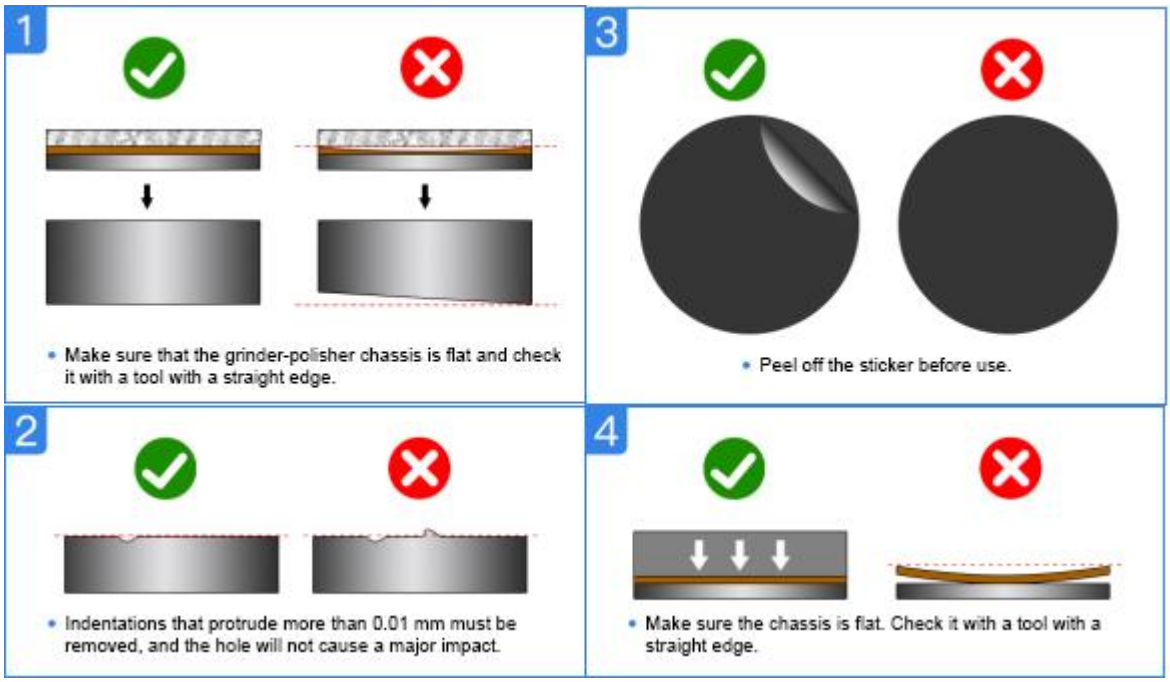
2. Usage method of adapter plate

（1）Make sure the transfer disc is flat, check it with a tool having a straight edge.

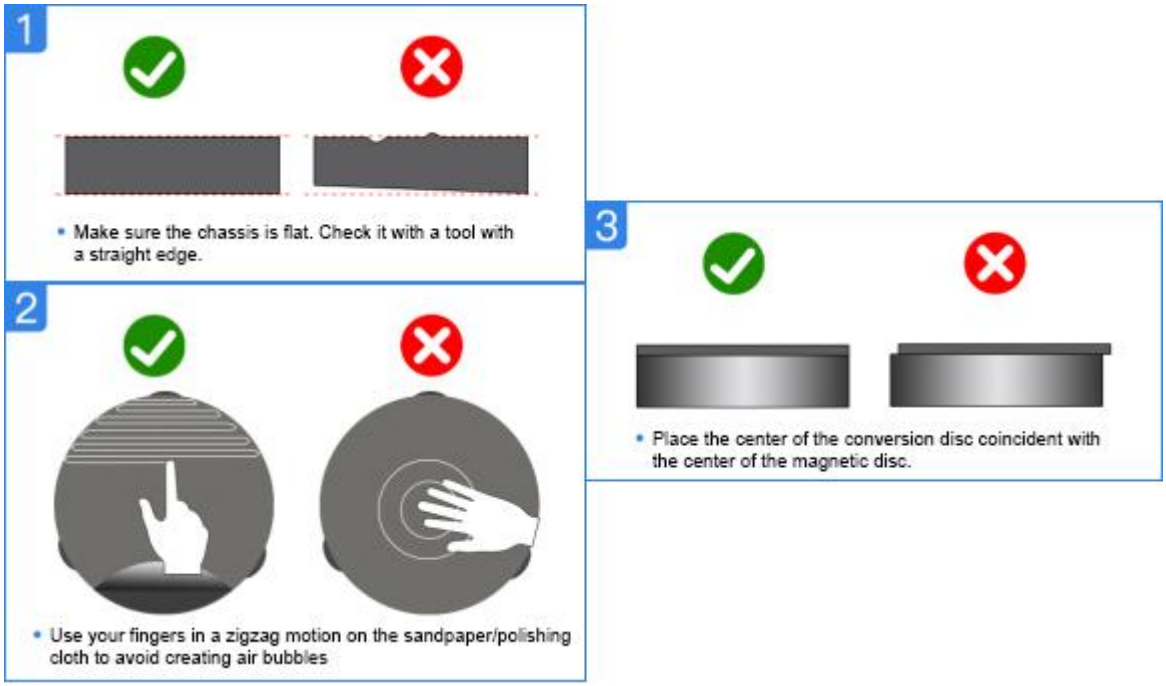
（2）Tear off 1/4 of the adhesive sticker before use, and then overlap the edge of the magnetic disk with the edge of the chassis. While tearing off the adhesive sticker, paste the magnetic disk, and at the same time make a zigzag movement on the magnetic disk to avoid air bubbles under the magnetic disk.

（3）Place the center of the adapter plate coincident with the center of the magnetic disk, and it can be used at this time.

Schematic diagram of how to use a magnetic disk



Schematic diagram of how to use the adapter plate



Precautions

1. Care should be taken when affixing magnetic discs or sandpaper to ensure that the center coincides with the surface to be adhered.

2. When affixing the magnetic disk, ensure that the surface of the chassis of the grinding and polishing machine is clean and free of dirt, otherwise the magnetic disk will not be firmly pasted and would slip. P400 or P800 sandpaper can be used to sand while the chassis is turning to get a glossy surface.

3. Do not bend the switch plate, otherwise the flatness of the switch plate cannot be guaranteed.

4、When not in use, the transfer disc should be removed in time to prevent the bottom of the adapter plate from rusting.

Storage

1. Use dedicated storage cabinets/racks for magnetic disks and adapter plates.

2. The magnetic disk and conversion disk should be stored in a ventilated and cool place, avoid direct sunlight and humid environment.