

# Magnetic Polishing System

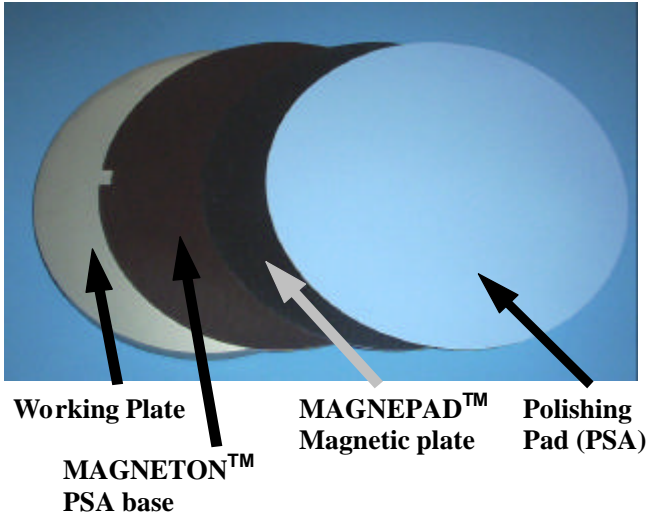


Figure 1a. Magnetic Polishing System using standard PSA backed polishing pads.

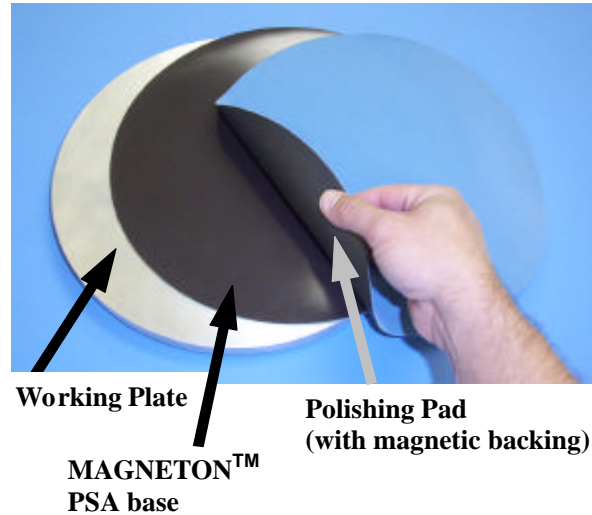


Figure 1b. Magnetic Polishing System with magnetic backing on polishing cloth.

PACE Technologies magnetic polishing systems offer the metallographer an easy to use, rapid changing and convenient way to reuse and store polishing pads. This system consists of a magnetized MAGNETON™ PSA backed base. The MAGNETON™ base is a flexible magnet which is permanently attached to the working wheel via an adhesive or PSA backing (Figure 1).

Either standard polishing pads can be attached to a teflon coated MAGNEPAD™ magnetic plate (Figures 1a and 2a) or be purchased with an flexible magnet backing (Figure 1b and 2b).

### Ease-of-use

Once the MAGNETON base plate has been attached to the working plate and the polishing cloth is attached to the teflon coated plate (black side), all that remains is to place the MAGNEPAD™ onto the MAGNETON™ disk. After completion of the polishing operation the MAGNEPAD™ magnetic plate can be easily removed by lifting off the MAGNEPAD™ plate. Likewise with the magnetic backed polishing cloths, simply place the polishing cloth on the MAGNETON™ base plate and polish.

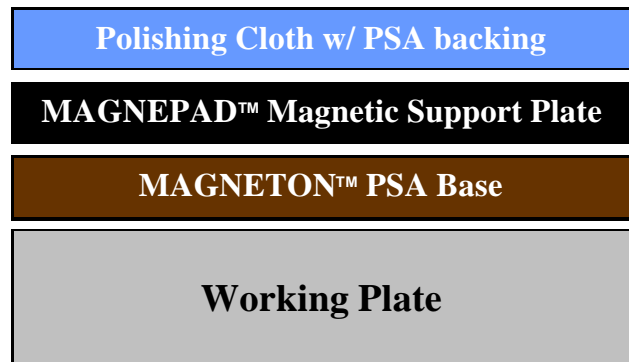


Figure 2a. Magnetic system utilizing PSA backed polishing pads

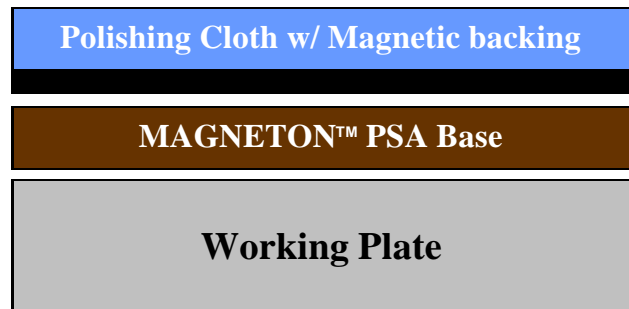


Figure 2b. Magnetic system utilizing flexible magnetic backed polishing pads

## Magnetic Base Plate and Support Plate for PSA papers

| Diameter (inches) | MAGNETON base plate (w/PSA) | MAGNEPAD teflon coated |
|-------------------|-----------------------------|------------------------|
| 8                 | MAG-B08                     | MAG-P08                |
| 10                | MAG-B10                     | MAG-P10                |
| 12                | MAG-B12                     | MAG-P12                |

## PSA Adhesive Backed Polishing Pads

### METAL MESH ABRASIVE CLOTH (w/PSA)

| Description    | Diameter (inches) | Quantity | PSA backed polishing pads |
|----------------|-------------------|----------|---------------------------|
| CERMESH™ Cloth | 8                 | 5/pkg    | CMESH-2008                |
| CERMESH™ Cloth | 10                | 5/pkg    | CMESH-2010                |
| CERMESH™ Cloth | 12                | 5/pkg    | CMESH-2012                |

### LOW NAPPED (Rough Polishing) CLOTH (w/PSA)

| Description     | Diameter (inches) | Quantity | Catalog Number |
|-----------------|-------------------|----------|----------------|
| TEXPAN™ Pad     | 8                 | 10/pkg   | TP-5008        |
| TEXPAN™ Pad     | 10                | 10/pkg   | TP-5010        |
| TEXPAN™ Pad     | 12                | 10/pkg   | TP-5012        |
| POLYPAD™ Pad    | 8                 | 10/pkg   | PP-6008        |
| POLYPAD™ Pad    | 10                | 10/pkg   | PP-6010        |
| POLYPAD™ Pad    | 12                | 10/pkg   | PP-6012        |
| Black CHEM™ Pad | 8                 | 10/pkg   | BC-8008        |
| Black CHEM™ Pad | 10                | 10/pkg   | BC-8010        |
| Black CHEM™ Pad | 12                | 10/pkg   | BC-8012        |
| DACRON® Pad     | 8                 | 10/pkg   | DC-3008        |
| DACRON® Pad     | 10                | 10/pkg   | DC-3010        |
| DACRON® Pad     | 12                | 10/pkg   | DC-3012        |

### HIGH NAPPED (Final Polishing) CLOTH (w/PSA)

| Description     | Diameter (inches) | Quantity | Part Number |
|-----------------|-------------------|----------|-------------|
| NAPPAD™ Pad     | 8                 | 10/pkg   | NP-7008     |
| NAPPAD™ Pad     | 10                | 10/pkg   | NP-7010     |
| NAPPAD™ Pad     | 12                | 10/pkg   | NP-7012     |
| MICROPAD™ Pad   | 8                 | 10/pkg   | MP-9008     |
| MICROPAD™ Pad   | 10                | 10/pkg   | MP-9010     |
| MICROPAD™ Pad   | 10                | 10/pkg   | MP-9010     |
| MICROPAD™ Extra | 8                 | 10/pkg   | MPE-9008    |
| MICROPAD™ Extra | 10                | 10/pkg   | MPE-9010    |
| MICROPAD™ Extra | 12                | 10/pkg   | MPE-9012    |
| TRICOT™ Pad     | 8                 | 10/pkg   | TRI-4008    |
| TRICOT™ Pad     | 10                | 10/pkg   | TRI-4010    |
| TRICOT™ Pad     | 12                | 10/pkg   | TRI-4012    |

## Magnetic Backed Polishing Pads

### METAL MESH ABRASIVE CLOTH (w/ magnet)

| Description       | Diameter (inches) | Quantity | Magnet backed polishing pads |
|-------------------|-------------------|----------|------------------------------|
| Magnetic CERMESH™ | 8                 | 5/pkg    | CMESH-2008-MAG               |
| Magnetic CERMESH™ | 10                | 5/pkg    | CMESH-2010-MAG               |
| Magnetic CERMESH™ | 12                | 5/pkg    | CMESH-2012-MAG               |

### LOW NAPPED (Rough Polishing) CLOTH (w/ magnet)

| Description              | Diameter (inches) | Quantity | Catalog Number |
|--------------------------|-------------------|----------|----------------|
| Magnetic TEXPAN™         | 8                 | 5/pkg    | TP-5008-MAG    |
| Magnetic TEXPAN™         | 10                | 5/pkg    | TP-5010-MAG    |
| Magnetic TEXPAN™         | 12                | 5/pkg    | TP-5012-MAG    |
| Magnetic POLYPAD™        | 8                 | 5/pkg    | PP-6008-MAG    |
| Magnetic POLYPAD™        | 10                | 5/pkg    | PP-6010-MAG    |
| Magnetic POLYPAD™        | 12                | 5/pkg    | PP-6012-MAG    |
| Magnetic Black CHEM™ Pad | 8                 | 5/pkg    | BC-8008-MAG    |
| Magnetic Black CHEM™ Pad | 10                | 5/pkg    | BC-8010-MAG    |
| Magnetic Black CHEM™ Pad | 12                | 5/pkg    | BC-8012-MAG    |
| Magnetic DACRON®         | 8                 | 5/pkg    | DC-3008-MAG    |
| Magnetic DACRON®         | 10                | 5/pkg    | DC-3010-MAG    |
| Magnetic DACRON®         | 12                | 5/pkg    | DC-3012-MAG    |

### HIGH NAPPED (Final Polishing) CLOTH (w/ magnet)

| Description              | Diameter (inches) | Quantity | Part Number  |
|--------------------------|-------------------|----------|--------------|
| Magnetic NAPPAD™         | 8                 | 5/pkg    | NP-7008-MAG  |
| Magnetic NAPPAD™         | 10                | 5/pkg    | NP-7010-MAG  |
| Magnetic NAPPAD™         | 12                | 5/pkg    | NP-7012-MAG  |
| Magnetic MICROPAD™       | 8                 | 5/pkg    | MP-9008-MAG  |
| Magnetic MICROPAD™       | 10                | 5/pkg    | MP-9010-MAG  |
| Magnetic MICROPAD™       | 10                | 5/pkg    | MP-9010-MAG  |
| Magnetic MICROPAD™ Extra | 8                 | 5/pkg    | MPE-9008-MAG |
| Magnetic MICROPAD™ Extra | 10                | 5/pkg    | MPE-9010-MAG |
| Magnetic MICROPAD™ Extra | 12                | 5/pkg    | MPE-9012-MAG |
| Magnetic TRICOT™         | 8                 | 5/pkg    | TRI-4008-MAG |
| Magnetic TRICOT™         | 10                | 5/pkg    | TRI-4010-MAG |
| Magnetic TRICOT™         | 12                | 5/pkg    | TRI-4012-MAG |