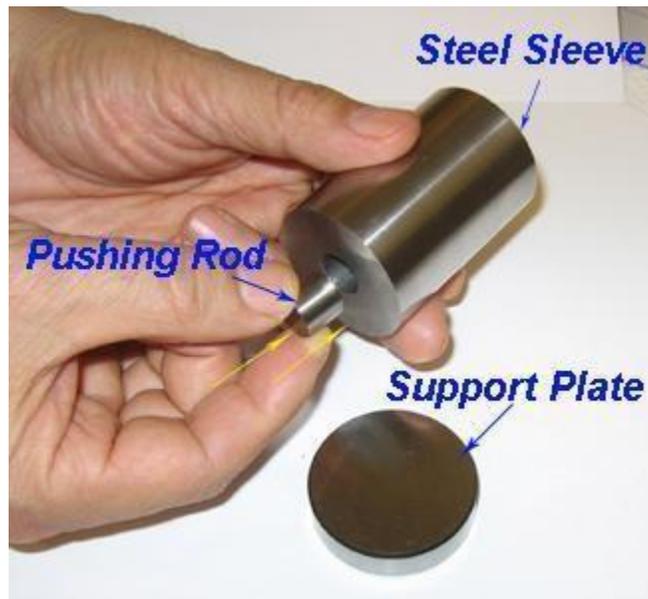


Powder Press Die (EQ-Die Series)

Model Number	Pressure Limit (in metric Ton unless specified)
EQ-Die-03D	0.7
EQ-Die-06D	3
EQ-Die-10D	7
EQ-Die-12D	10
EQ-Die-15D	16
EQ-Die-18D	27
EQ-Die-20D	27
EQ-Die-25D	48
EQ-Die-30D	67
EQ-Die-38D	108
EQ-Die-50D	193
EQ-Die-60D	269
EQ-Die-75D	434
EQ-Die-120D	694
EQ-Die-25S	30
EQ-Die-12DHT	6
EQ-Die-12D-GP (Graphite)	50 Mpa
EQ-Die-05D-GP-4 (Graphite)	50 Mpa

Die Assembly and Operation Instruction



1. Put the short pushing rod into the die from the bottom of the sleeve.



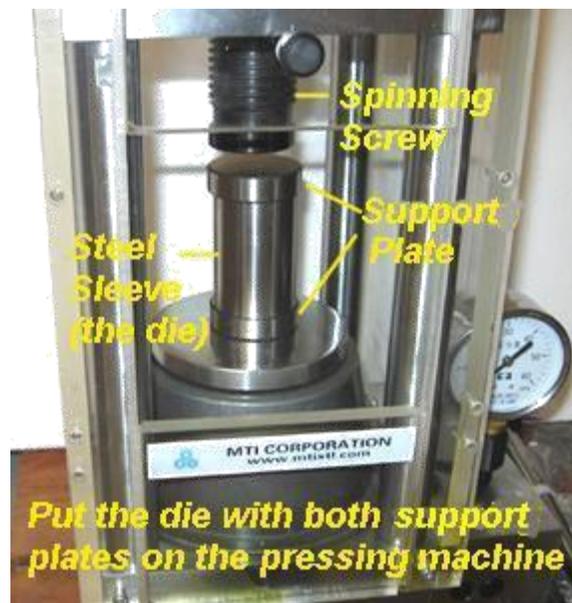
2. Place the sleeve with the rod on the support plate.
3. Add powder into the sleeve.



4. Place the long pushing rod into the die with the powder loaded.



5. Put another support plate on the top of long pushing rod. Die assembling is complete.



- Place the die set on the machine platform. Align the lead screw (spinning screw) to the die set.



- After pressing operation, let's obtain the product.
- Put the opened steel cylinder on the support plate.



- Place the sleeve on the opened cylinder.
- Place the bolt-shaped pressing rod into the sleeve.
- Bring the die set back on the pressing machine.



12. Gently push the pressing pole by the lead screw (spinning screw) to get the product.

⚠ WARNING: Operator must wear protection goggle.

- The pressing die cannot be used for pressing powder with particle size LESS THAN 30 micron. Small particles may slip into the gap between pushing rod and steel sleeve and cause damages to the sleeve during the compression.
- Ball mill or ground the powder and to the size of 32~75 microns powder before pressing. Please consider using the 3" Dia. Sieve Set No.200&450 Mesh to separate the 32~75 microns particles from the powder clumps.



- Please use alcohol to clean the pressing die every time before use and store it in a dry place with anti-rust oil after operation to avoid rusting.
- All pressing dies are made by high-stretched carbon steel to achieve high hardness to meet essential requirements of making ceramic or metal samples. Otherwise, the pressing surface could probably get scratched.
- To avoid damaging the die core and sleeve, we strongly recommend to press powder with a professional laboratory hydraulic press to ensure the evenest pressing interface and uniform pressure force.

If any questions about the pressing die, please send an email to info@mtixtl.com or call us by 510-525-3070 for technical support.