



### Porotherm Application Guide Topic: Conduit Chasing

Electrical conduiting can be easily achieved in Porotherm Smart Bricks by Dry Cutting. Dry Cutting machine used commonly for Metal and / Marble Grinding can be used for this purpose.

Advantages of using cutting machines to cut the bricks

- Reduce unnecessary chasing
- Quality construction
- Accuracy in construction

Step:1  
Mark the layout



Step:2  
Cut through marked area with dry cutter



Step:3  
Chip chased surface using hammer and chisel



Step: 4  
Nail the masonry joints



Step: 5  
Place the pipes and tie them with binding wire



Step: 6  
Placing pipes in the conduit



Step: 7  
Pack the columns with mortar



**Note:**

- Dry cutter for chasing is mandatory
- One perforation conduit chasing is sufficient for switch boxes and pipes (upto 25mm Dia).
- Two layer chasing is required for more than (75mm) which are concealed DB boxes.
- Recommend use of plastering mesh at large and deep chasing areas Eg. Distribution Box area to avoid cracks

**Suggested dry cutter machines**

- Bosch
- Hitachi
- Mektec
- Power planet

**Specifications of dry cutter machine**

- Rated input Power: 660W
- Capacity: 100mm
- No-Load Speed : 12000 rpm

