

# Hejny Rentals, Inc.

Contractor, Lawn & Garden, and Party Equipment Rentals  
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## **DITEQ TG8 GRINDER WITH FIXED DIAMOND PLATE GRINDING OR COATING REMOVAL**

### **General Instructions**

For your safety and the safety of others around you, you must only operate this machine in the way it was intended.

Before operation the machine must be inspected by the operator for damaged components or loose hardware to be certain the machine is in good working order.

Before operation the job site must be inspected by the operator to identify and resolve potential hazards. The work area needs to be defined and appropriately marked.

The operator must be physically able to handle the bulk weight and power of the equipment. The operator must not be in an impaired mental state so they can exercise good judgement to maintain a safe working environment.

This floor grinder (or grinder/polisher) is a 'one person' machine. All others must keep a safe distance from the machine during operation to protect them from flying debris, noise and dust.

The work team must be appropriately instructed to be certain they can shut off the machine in an emergency and provide help to the operator.

Be certain the guards are in place and properly secured before the machine is deemed operational.

Never leave the machine running unattended.

Wear appropriate Personal Protective Equipment (PPE) including safety glasses, boots, head protection and respiratory protection.

Use an effective means to control the dust generated by this machine. The TG8 (aka TEQEdge) is equipped with both a water nozzle and a dry vacuum port & dust skirt.

### **Accessories**

The TG8 Grinder/Polishers can be used with either 'wet' or 'dry' accessories. It is equipped with a vacuum port and a water hookup. Some accessories are designated as 'wet' only accessories and they must be used 'wet' or damage to the slab surface, accessory and/or equipment will result.

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The effectiveness of any diamond accessories can be influenced by the slab surface conditions such as the admixtures, surface hardness, abrasiveness, aggregate size, hardness and depth, the use of topical coatings, curing compounds, sealers, densifiers and/or hardeners, etc... as well as the properties of the machine such as the disc speed (RPM), and contact pressure (the weight of the machine that is pushing on the accessories divided by the contact area of the accessories) and the properties of the diamond accessory itself such as the diamond concentration, diamond quality, the shape of the diamond crystals, size of the diamonds, arrangement/distribution of the diamonds in the accessory, and the shape of the accessory. The effectiveness of the accessory can also be influenced by the use of water to create a slurry. The slurry can be modified with an abrasive additive to the slurry to keep the diamonds open, such as sand, or the consistency of the slurry from the amount of water that is used.

**Concrete Slurry can create a slip hazard.** Post appropriate warnings and minimize the access to the working area to protect bystanders. Wear appropriate footwear and maintain sure footing. Keep the area clean by using a slurry vacuum or other appropriate methods.

#### **Adjusting the dust skirt height for different accessories**

Be certain to adjust the height of the dust skirt to match the accessory height. If the skirt is too low, it can prevent the accessory from fully contacting the slab. If the skirt is too high, it might not be effective in retaining/capturing the dust.

The skirt should have between approximately 1/32 to 1/8 inch gap from slab surface.

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