

# MIG Carbide Hardfacing Tungsten Carbide Vibratory Feeder

*Produce Deposits that Fight Abrasion*



*The Rankin Automation Vibratory Feeder is easy to use and quickly adapts to automatic welding systems in high production environments.*

- *Increase part life*
- *Consistent, high quality deposit rates*
- *Tungsten carbide up to 80% concentration*
- *Thicker deposits for longer life*
- *Simple to operate*

Rankin® Automation's Vibratory Carbide Feeder is an easy to install system that works in any shop where tough tungsten carbide needs to be applied to extend the life of new and worn parts. It is simple to operate — the nozzle can be handheld and provides a semi-automated feed for all grades of tungsten carbide.

The Vibratory Carbide Feeder offers extraordinary efficiency in making tungsten carbide deposits for extreme wear resistance and portable hardfacing applications on ground engaging tools in the construction, agriculture, mining, dredging, drilling, energy, and industries worldwide.

Use with Rankin's Ranomatic 969G wire to generate hardfacing deposits that are among the most wear resistant ever. Tungsten carbide concentrations freeze evenly throughout and on top of the weld puddle, providing a rough, sandpaper-like surface that outperforms other types of overlay.

*For more information, call 800.845.7259, visit us at [www.broco-rankin.com](http://www.broco-rankin.com) and email us at [sales@rankin.com](mailto:sales@rankin.com).*

*Rankin® Automation is part of Broco Rankin based in Ontario, CA, USA.*

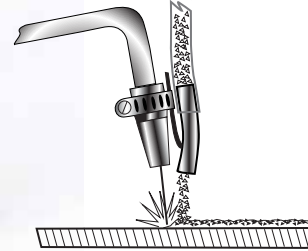
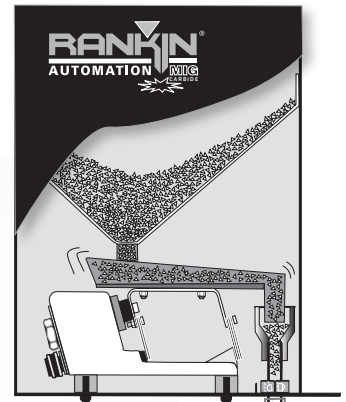


*The new MIG Carbide Welding Table is designed to reclaim unused carbide.*



## Vibratory Feeder Components

- **Vibratory Feeder assembly with built-in control**
- **Carbide hopper holds up to 50 lbs.**
- **Five (5) feet of drop hose**
- **One (1) aluminum metering funnel**
- **4" metering tube with collar**
- **6" short guide tube with clamp for gun mounting**
- **110V and 220V available**
- **Current sensing reed switch**
- **All screws and nuts for assembly**
- **Remote table-mount control unit**



### Typical Applications

Overlaid with 20 x 30 mesh tungsten carbide, this tooth outperformed all other hardfaced parts by five times.



10 x 20 mesh tungsten carbide metered into a molten deposit of Ranomatic 969-G gave this hammer 20 times longer service life.

### Industry Uses

#### Agriculture:

- Brush shredder teeth
- Conveyor fans
- Cultivator shovel noses
- Cultivator chisels and spikes
- Landside plates
- Lister shares
- Mill hammers
- Plowshares
- Plow mold boards
- Root cutters
- Rotary hoe teeth
- Scraper knives
- Spring teeth and runners
- Subsoiler teeth
- Spike tooth harrows

#### Heavy Equipment:

- Augers
- Backhoe buckets and blades
- Crushing surfaces
- Dozer blades
- Dozer end bits
- Grader blades
- Hammers and bars
- Heavy drag chains
- Loader buckets
- Paving paddles, blades and mixers
- Ripper teeth
- Rock rakes
- Shovel buckets and teeth
- Tractor grousers



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