The Hughes Company, Inc. whose policy is to continuously improve its products, reserves the right to discontinue or change specifications, models or designs without notice and without incurring obligation.

**Application:**
Products such as citrus fruits, apples, carrots and beets are brought in from the field. They are then run on the Destemmer / Deviner / Trash and Twig Remover removing the stems or vines as well as any field trash and rotten product.

**Operation:**
Product is fed onto the vibratory feed pan which creates an evenly distributed flow onto the bed. The husking bed is comprised of a specific number of lanes that consist of two off centered shafts rotating against each other. Attached to these shafts are a variety of different possible roll combinations that grab the stem or vine and remove it from the product flow while allowing the good product to travel down the inclined bed for further processing.

<table>
<thead>
<tr>
<th>Model (# of lanes)</th>
<th>404</th>
<th>804</th>
<th>1204</th>
<th>1604</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>Root Crops: 7.5 tph</td>
<td>Root Crops: 15 tph</td>
<td>Root Crops: 30 tph</td>
<td>Root Crops: 45 tph</td>
</tr>
<tr>
<td></td>
<td>Apples: 7.5 tph</td>
<td>Apples: 15 tph</td>
<td>Apples: 22.5 tph</td>
<td>Apples: 30 tph</td>
</tr>
<tr>
<td></td>
<td>Citrus: 30 tph</td>
<td>Citrus: 75 tph</td>
<td>Citrus: 115 tph</td>
<td>Citrus: 160 tph</td>
</tr>
</tbody>
</table>
**Standard Unit Construction:**

All type 304 Stainless Steel contacts including vibratory pan, sides on bed and split guard assembly over the rolls. All other items Mild Steel construction with Stainless Steel paint.

**Vibratory Feed Pan:** Creating even product distribution
- Vibratory feed pan with sloped center divider
- Double eccentric drive driven with 1/2” stroke (Single eccentric drive on model 404)
- Rubber bushed aluminum support arms
- Special "W" design transition chute, between metering vibrator pan and husker rolls. Pivot for raising pan, allows for easy access to roll and drive arrangement.
- Variable hp 1800 RPM motor drive with vari-speed sheave

**Destemming / Devining / Trash and Twig Removal Bed:**
- Bed consisting of 4, 8, 12 or 16 lanes of steel shafts and 3, 5, 7 or 9 agitators
- Spray header located above rolls at infeed, in guard assembly
- Standard roll configuration consisting of Standard High Profile Rolls w/ Cutting Blades
- Split guard assembly mounted above husker rolls
- Hood covering rolls and drive manually raised by hand crank
- Bed angle set variably per application through manual adjustment
- Energy saving cog belt drive to rolls and agitators
- Capped and shielded bearings

**Options:**

- Upgrade to all Stainless Steel construction except for shafts, drives, and lubrication components
- Two or Four Point Manual Lubrication System to consist of 2 or 4 terminal block assemblies located on each corner, along with all fittings and tubing. (Terminal block provides an end of cycle indicator)
- Trabon Sequential Auto Lube System:
  - First Unit, which includes central air operated pump with PLC controls, all fittings at lube points, and all interconnecting hose. Requires one unit for every six huskers
  - Easy Hand Wheel Bed Tilt System to include:
    - New pivot point at infeed end
    - Actuator lifts, one on each side of bed, with connecting shaft
    - Hand wheel for raising both sides of bed at same time
  - Inclination Indicator used for visual display of bed tilt.
- Motorized Husking Bed Tilt System to include: (not available on model 404)
  - New pivot point at infeed end
  - Actuator lifts, one on each side of bed, with connecting shafts
  - Motor and gearbox driving both lifts (230/460/3/60)
  - Actuator switches, up and down, mounted in an enclosure
  - Limit switch to stop travel at maximum up and down positions
  - Tilt indicator (bar type) visible above husking bed
  - Reversing starter mounted in control enclosure
- Variable Frequency Controller for roller speed control
- Customer specified roll setup (to replace standard setup)
- Customer specified height riser support stand
- Spring loaded wedge self tension kit
- Feeder W-Pan Hydraulic Lift
- Bed Cover Hydraulic Lift