PHILIP MACHINE CO.
PLATING RACKS • PINS • BASKETS • TRAYS

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Thank you for choosing Philip Machine Company as your plating accessory supplier. Since 1979 our philosophy has always been to provide the highest quality and service at the best possible price. In addition to the items enclosed, we perform in-house tool and die making, metal stamping, wire forming, sheet metal fabricating, assembly and welding. Our manufacturing capabilities allow us to custom design and fabricate to your particular needs. Call us today for a quotation.

**TABLE OF CONTENTS**

Pg.1- PLATING RACKS  
Pg.2- CHAIN RACKS  
Pg.3- BASKETS  
Pg.4- ACCESSORIES:  
   DUMMY SCREENS  
   ANODES  
   PLATING TRAYS  
Pg.5- ACCESSORIES:  
   BARS  
   PIN PULLERS  
   SIEVES  
Pg.6- ACCESSORIES  
   Tiatanium Anode  
   Baskets  
   Masking  
Pg.7- PLATING PINS  
Pg.8- PLATING PINS  
Pg.9- PLATING PINS  
Pg.10- PLATING PINS  
Pg.11- PLATING PINS  
Pg.12- PLATING PINS  
Pg.13- CENTRIFUGAL COATER:  
Pg.14- CENTRIFUGAL COATER:  
   R-100, R-200  
Pg.15- CENTRIFUGAL COATER:  
   R-200 PROGRAMMABLE  
Pg.16- COPPER WIRE
PLATING RACKS

STRING RACKS
- brass or stainless steel construction
- standard, multipurpose rack
- custom designed for your plating system
- plastisol or nylon coated

INDUSTRIAL RACKS
- brass, copper, steel, stainless steel, titanium … construction
- ideal for decorative chrome, hard chrome, anodizing
- perfect when positive contact is a must
- plastisol coated

MULTIBAR RACKS
- brass, stainless steel construction
- time and money saver for large volume orders
- great for those “hard to hold” items
- interchangeable wire forms
- plastisol or nylon coated
CHAIN RACKS

REPLACEABLE PIN

- plastisol or nylon coated
- interchangeable wire forms
- consistent uniform plating
- steel, brass or stainless steel construction
- customized to meet your needs

DOUBLE ARBOR

- steel, brass or stainless steel
- more throwing power for harder to plate chain

SINGLE ARBOR

- steel, brass or stainless steel
- quick load and down load
- for hanks of chain

-2-
BASKETS

STAINLESS STEEL
- custom built
- all standard mesh sizes
  #2, #4, #8, #16, #32, #40 ...
- standard sizes 10”x10”, 8”x8”, 6”x6”
- rigid or swing handles

POLYPROPYLENE
- standard and custom sizes available
- perforated 3/32”, 1/8”, 3/16”, ¼”
- polypropylene or stainless steel handle
- “Noble” construction
- “New Holland” construction

BOWL
- 7x3 with 7” handle
- 9x5 with 9” handle
- # 4, #8, #16, #32, #40 mesh
- stainless steel construction
- custom sizes available
ACCESSORIES

DUMMY SCREENS

- galvanized steel
- brass hooks

ANODES

- available in 304 or 316 stainless steel

TRAYS

- brass or stainless construction
- #4, #8, #16, #32, ... mesh
- standard size 12”x6”x1”
- custom sizes available

PLATING TRAYS

- brass or stainless construction
- great for those small jobs
- handle length to fit your tank
- standard mesh sizes available
ACCESSORIES

PLATING BARS
- custom fit to your racks
- different wire forms available
- quick change
- labor saver
- get more use out of your rack by changing to match your needs
- turn side racks into multi-bar racks

PLATING PIN PULLER
- makes stud removal easy
- lessen damage to existing coating
- reduce labor cost

SIEVES
- available in 15” plastic or galvanized steel
- ¼”, 3/8”, 1/2”, 3/4”, 1
ANODE BASKETS AND ACCESSORIES

Titanium, Zirconium, Tantalum, Niobium, Monel and Stainless steel constructions all available to your specifications.

MASKING PRODUCTS

- plastisol
- silicone sleeves
- vinyl
- plastic
PLATING PINS

* note: most wire forms available in steel, liquor finish, stainless steel

2101 brass
2102 c/c steel
2196 s/s
2197 c/c steel
2198 s/s
2199 brass
2196 s/s
2199 brass
2201 c/c steel
2202 s/s
2203 c/c steel
2204 brass
PLATING PINS

2126

2192

2128

2109

2129

2193
PLATING PINS

1921  1886  2133  2148  2145

2146  2147  2144  2131  2149  1833  1815

2150  2151  1817  2152  

2155  2154  2156  2157
PLATING PINS

2001  2097  2043  2002  1894

1854  2015  2107  1079

2001  2097  2043  2002  1894

1854  2015  2107  1079

2121  2070  2190
PLATING PINS

2136 2122 2141 2142 2139 2112
4 coil 1 coil 1 coil 1 coil 1 coil

2137 2138 2111 2140
2 coil 4 coil 1 coil 1 coil

1816 2143 1884 1849 1850

CENTRIFUGAL COATING MACHINES

THE R-100 AND THE R-200 CENTRIFUGAL COATING MACHINE

The original Ronci coating machines are still the best. Now, these same machines have been improved and refined to meet today’s technological advancements. The R-100 and the R-200 are the finest coating machines for lacquering and enameling small wood, metal, fiber and composition parts. Waxes, lubricants, adhesives, and more sophisticated coatings like Teflon, Emralon, and Nylon can be applied quickly and efficiently. Your competition is already using the Ronci machines – thus effectively coating many parts that you may be wastefully spraying – saving them time and money. And while the original Ronci machines will help you speed up production and operate at higher profits, they are among the least expensive on the market. In fact, considering the workload they handle, they will pay for themselves in no time. (Lease options are available.).
R-100 SPECIFICATIONS

WORK BASKET
Specially alloyed cast aluminum lined with steel mesh wire 11 ½” in diameter. Depth is 4”. Capacity is 312 cubic inches.

MATERIAL TANK
Rolled seams supplied with galvanized steel cover. (Stainless steel optional).

CONTROL
Forward and reverse operated by a single lever control.

DRIVE SHAFT
Steel mounted in ball bearings.

MECHANICAL DOOR
Automatically operated sliding door.

MOTOR EQUIPMENT
½ horsepower – explosive-proof. Voltage 230/460 or 550

ELECTRIC CONTROLS
All explosive-proof.

CAPACITY
Allowing time for loading and unloading – 20 to 25 Complete operations per hour.

FLOOR SPACE
24” x 24” x 72” high

WEIGHT
460 lbs. Crated 600 lbs.

R-200 SPECIFICATIONS

WORK BASKET
Specially alloyed cast aluminum lined with steel mesh wire 16” in diameter. Depth is 6”. Capacity is 1206 cubic inches.

MATERIAL TANK
Rolled seams supplied with galvanized steel cover. (Stainless steel optional).

MECHANICAL DOOR
Automatically operated sliding door.

MOTOR EQUIPMENT
½ horsepower-explosive-proof motor for hydraulic lift. Voltage 230/460 or 550.

HYDRAULIC CONTROLS
For raising and lowering operations.

ELECTRIC CONTROLS
All explosive-proof.

CAPACITY
Allowing time for loading and unloading – 20 to 25 Complete operations per hour.

FLOOR SPACE
42” x 36” x 72” high.

WEIGHT
875 lbs. Crated 1135 lbs.
The original Ronci coating machine has long been the best bulk coater in the industry. A recently added feature to the R-200 has reinforced that status. The R-200 PC is now totally programmable; significantly increases production and profits. For instance, the R-2100 PC dip spin machine can easily coat 11,000 pounds of standard fasteners in an eight hour day with just one operator accounting for 50% greater capacity than the manually run R-200 when using one operator. Also, the automated operation is completely hands off from the moment the basket is locked in place until the cycle is finished.

The R-200 PC allows you to bulk coat with solid film lubricants, lacquers, enamels, waxes, liquid lubricants and adhesives to your exact specifications by storing 16 different timed dip-spin procedures. And the machine’s all explosive-proof electric drive motor achieves instantaneous basket speed to insure minimal head fill; a problem commonly associated with air or hydraulic drive motors. Plus, all coating is completed with zero liquid discharge.

Note: Post 1970 manually operated R-200’s are retrofitable for an automated control panel.

**R-200 PC Specifications**

**WORK BASKET**
Specifically alloyed cast aluminum lined with steel mesh wire capacity 1206 cubic inches. Outside dimensions 16 ½” diameter x 9”: height. Working dimensions 15 ½” diameter x 6” depth. Weight 18.5 lbs.

**MATERIAL TANK**
Galvanized Steel with rolled seams complete with cover.

**MOTOR EQUIPMENT**
¾ horsepower – explosive proof spin motor.
½ horsepower – explosive proof hydraulic pump motor.
Available 230/460 voltage.

**HYDRAULIC CONTROLS**
State of the art hydraulic manifold technology coupled with our programmable logic controller positions material tank for load, dip and spin operations and activates spin brake.

**ELECTRONIC CONTROLS**
R-200 PC is equipped with a programmable logic control unit which allows for hands-off operation from the moment the work basket is locked into place until the cycle is finished. The machine will store 16 different timed dip-spin procedures each of which is tailored to your specifications. Maintains capability for manual operation. Additional 16 profile modules are available.

**CAPACITY**
20 to 40 cycles per hour with one operator, for most coating operations.

**FLOOR SPACE**
52” width x 48” depth x 67” height.

**WEIGHT**
1075 lbs. Crated 1390 lbs.
Copper Wire

Single Strand Physical Properties

<table>
<thead>
<tr>
<th>Awg.</th>
<th>19</th>
<th>20</th>
<th>22</th>
<th>23</th>
<th>24</th>
<th>26</th>
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<tr>
<td>DIAMS INCHES</td>
<td>0.0359</td>
<td>0.032</td>
<td>0.0253</td>
<td>0.0226</td>
<td>0.0201</td>
<td>0.0159</td>
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</table>

Arbor size of wire in inches

<table>
<thead>
<tr>
<th>Arbor size of wire in inches</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. inches</td>
<td>18.87”</td>
<td>25.16”</td>
<td>*31.46”</td>
<td>37.75”</td>
<td>50.33”</td>
</tr>
</tbody>
</table>

Copper wire also available on spools

* Sample of common order: 500 lbs. of 22/10 precut means 22 Awg. On 10” arbor cut once gives you approximately 31.46 inches in 5 lb. Hanks.