



# PHILIP

## MACHINE CO.

PLATING RACKS • PINS • BASKETS • TRAYS



184 WOONASQUATUCKET AVENUE  
NORTH PROVIDENCE, RHODE ISLAND 02911  
(401)-353-7383 • FAX (401)-353-8430

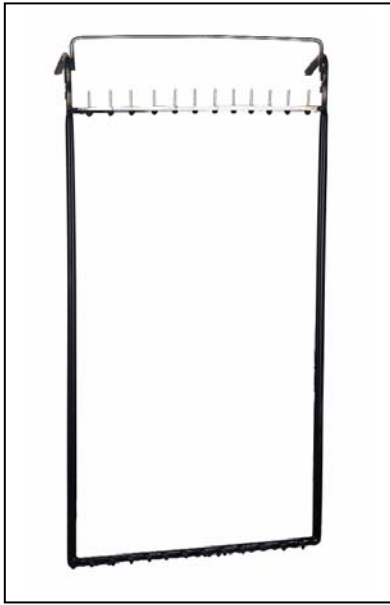
# PHILIP MACHINE COMPANY (EST. 1979)

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.9- PLATING PINS
Pg.2- CHAIN RACKS	Pg.10- PLATING PINS
Pg.3- BASKETS	Pg.11- PLATING PINS
Pg.4- ACCESSORIES: <i>DUMMY SCREENS</i> <i>ANODES</i> <i>PLATING TRAYS</i>	Pg.12- PLATING PINS
Pg.5- ACCESSORIES: <i>BARS</i> <i>PIN PULLERS</i> <i>SIEVES</i>	Pg.13- CENTRIFUGAL COATER: Pg.14- CENTRIFUGAL COATER: <i>R-100,R-200</i>
Pg.6- ACCESSORIES <i>Tiatanium AnodeBaskets</i> <i>Masking</i>	Pg.15- CENTRIFUGAL COATER: <i>R-200 PROGRAMMABLE</i>
Pg.7- PLATING PINS	
Pg.8- PLATING PINS	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

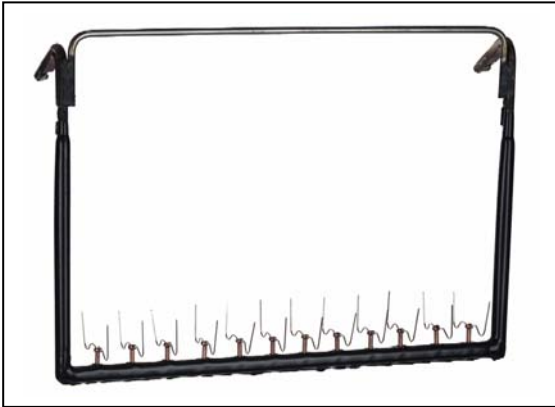
- *brass, copper, steel, stainless steel, titanium ... construction*
- *ideal for decorative chrome, hard chrome, anodizing*
- *perfect when positive contact is a must*
- *plastisol coated*



## 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

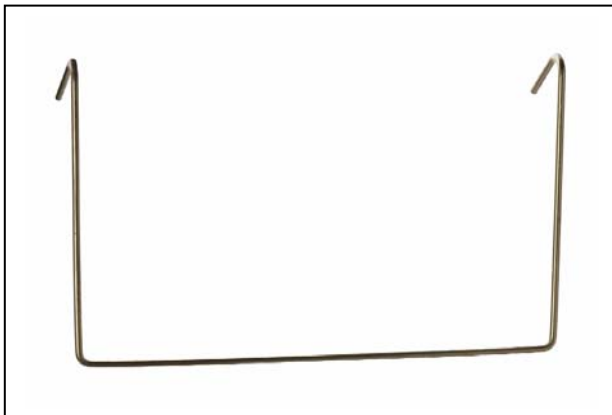
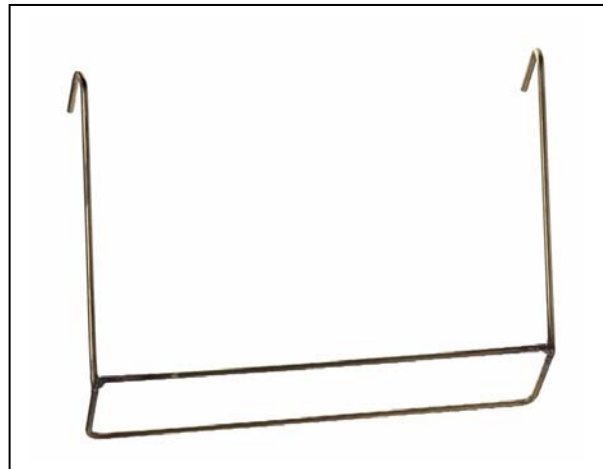


## REPLACEABLE PIN

- *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*

# 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", 1/4"*
- *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



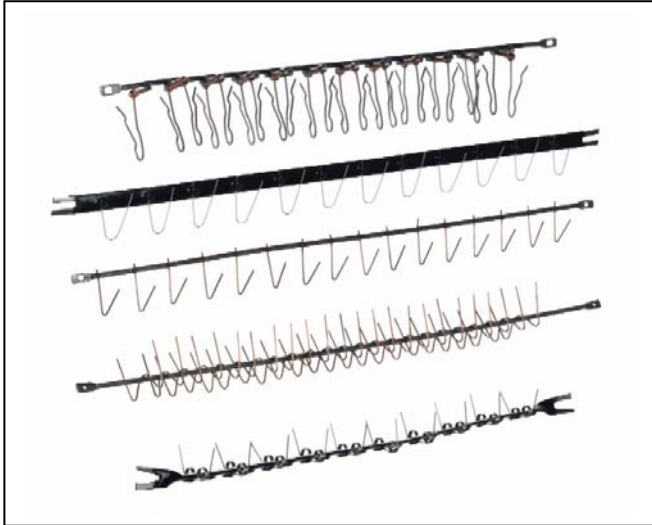
- *brass or stainless construction*
- *#4, #8, #16, #32,... mesh*
- *standard size 12"x6"x1"*
- *custom sizes available*

## 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

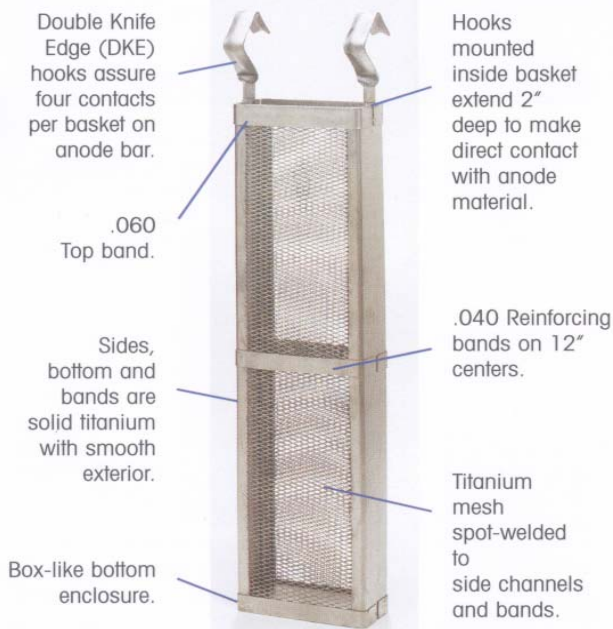
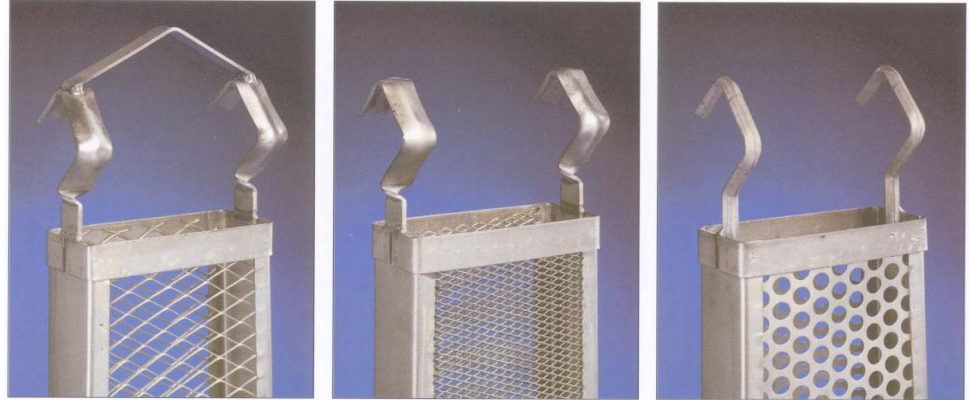
- *available in 15" plastic or galvanized steel*
- *1/4", 3/8", 1/2", 3/4", 1*



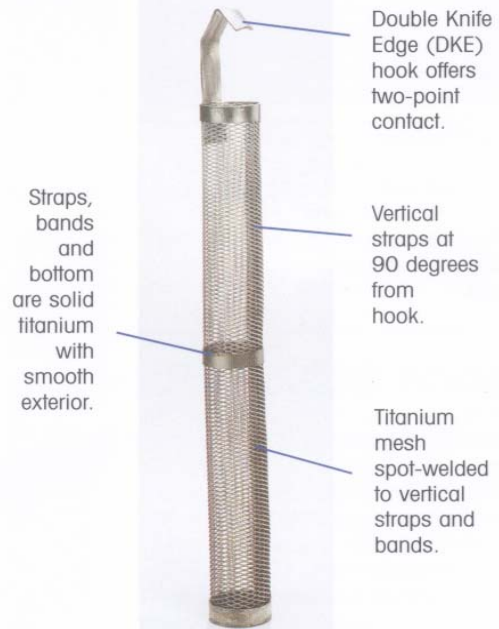
# ANODE BASKETS AND ACCESSORIES

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

## Anode Basket



**RECTANGULAR ANODE BASKETS**



**BALL ANODE BASKETS**

## MASKING PRODUCTS

- *plastisol*
- *silicone sleeves*
- *vinyl*
- *plastic*





# PLATING PINS

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



PL2130CC



PL2116CC



PL2137CC



2116



2208



2130



2101 brass  
2102 c/c steel  
2196 s/s



2197 c/c steel  
2198 s/s  
2199 brass



2103 brass  
2200 s/s  
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



2153



2209



2155



2154



2156



2157

# PLATING PINS



2001



2097



2043



2002



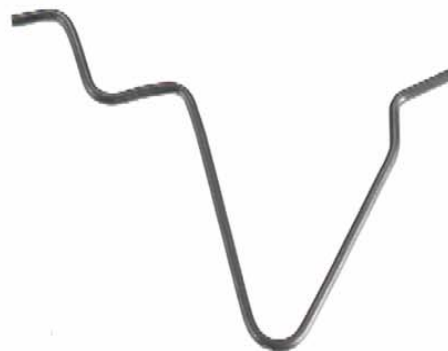
1894



1854



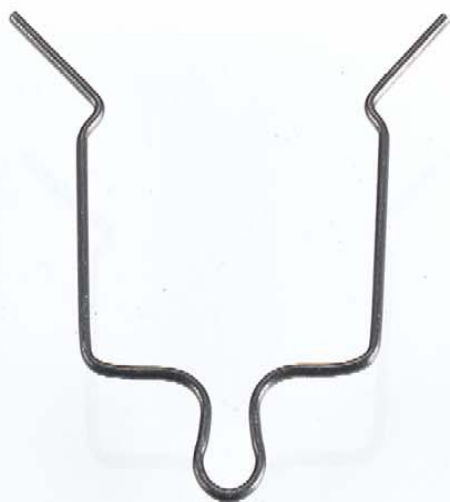
2015



2107



1079



2121



2070



2190

# PLATING PINS



1859



1908



1937



2030



1923



2159



2160



2161



2135



1843



2162



1086



1995



2163



1922



2115

# PLATING PINS



2137  
2 coil



2138  
4 coil



2111  
1 coil



2140  
1 coil



2136



2122  
4 coil



2141  
1 coil



2142  
1 coil



2139  
1 coil



2112



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.).



# CENTRIFUGAL COATER - MANUAL

## R-100 SPECIFICATIONS



### WORK BASKET

Specially alloyed cast aluminum lined with steel mesh wire 11 1/2" 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

1/2 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

3/4 horsepower - explosive-proof spin motor for hydraulic lift.

Voltage 230/460 or 550.

1/2 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.



# CENTRIFUGAL COATER - AUTOMATED

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

Awg.	19	20	22	23	24	26
DIAMS INCHES	0.0359	0.032	0.0253	0.0226	0.0201	0.0159

Arbor size of wire in inches	6	8	10	12	16	
------------------------------	---	---	----	----	----	--

Approx. inches      18.87"      25.16"      \*31.46"      37.75"      50.33"

### 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.