



PAN-PIONEER Co., Ltd.

民鋒股份有限公司

## Specification

### Multi-Wire In-Line Drawing Machine (for enameling machine)

#### 1.] Main specification:

- 1.1.) Type: Multi In-Line Drawing Machine(5-Line x 8 dies)
- 1.2.) Application: For enamel wire production process as in-line process machine
- 1.3.) Inlet wire size range: mm $\phi$
- 1.4.) Final wire size range: mm $\phi$
- 1.5.) Speed of final capstan: m/min
- 1.6.) Inlet wire size (Supply wire size)
  - 1.6.1.)  $0.5 \leq \text{Final size} < 0.7$  : Use 1.2mm $\phi$  wire supply
  - 1.6.2.)  $0.7 \leq \text{Final size} \leq 1.0$  : Use 1.8mm $\phi$  wire supply
- 1.7.) Number of Lines: 5 lines/machine
- 1.8.) Number of drawing dies draft: 8 dies for each line
- 1.9.) Machine reduction
  - 1.9.1.) First, Middle pass: %
  - 1.9.2.) Final: %
- 1.10.) Power supply: 3 phase, 380V, 50Hz
- 1.11.) Capstan surface material
  - 1.11.1.) First, Middle pass: Tungsten carbide coating
  - 1.11.2.) Final pass: Ceramic coating (if possible)
- 1.12.) The number of machines: Total 4 sets
  - 1.12.1.) Wiring direction from right hand to left hand: 2 sets
  - 1.12.2.) Wiring direction from left hand to right hand: 2 sets
- 1.13.) Drawing dies: Use drawing die size as follows  
Die's out of diameter  $\times$  thickness:
  - Size mm: 25mm  $\times$  7mm
  - Size mm: 25mm  $\times$  10mm
  - Size mm: 25mm  $\times$  15mm
  - Size mm up: 30mm  $\times$  15mm
- 1.14.) Driven motor: AC motor + AC vector type Inverter
- 1.15.) Other specifications:

All other detail machine specifications must be followed



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### 2.] Composition of machine:

- 2.1.) In-Line drawing machine ..... 1 set
- 2.2.) HP AC motor + Encode ..... 1 set
- 2.3.) AC Inverter (Japanese Brand or equivalent) ..... 1 set
- 2.4.) 1/25 Worm gear ..... 1 set
- 2.5.) HP Ring blower ..... 1 set
- 2.6.) Operation panel
- 2.7.) Control panel
- 2.8.) Electrical cable wiring in the machine
- 2.9.) Lubricant circulation piping in the machine

