

# Small Taiwanese-manufactured Mills - Key Specifications - Taken from Published Information - David P. Best - March 2021

|  |   | Bench top Mill                                      |   |                                  |                          |                                  | Junior Knee Mill  |  |
|--|---|---|---|----------------------------------|--------------------------|----------------------------------|---|--|
| Model                                    |   | RF-45   | PM-728VT                                  | PM-932M                          | PM-833T                  | PM-833TV                         | PM-935TS  | PM-935TV                               |
| Power Source                             |   | 1- or 3-phase                                       | 110 VAC                                   | 220VAC 20 Amp                    | 220VAC 20 Amp            | 220VAC 20 Amp                    | 1- or 3-phase   | 1- or 3-phase                          |
| Motor Type                               |   | 1- or 3-phase                                       | 1-phase BLDC                              | 1-phase                          | 1-phase                  | 3-phase                          | 1- or 3- phase  | 1- or 3- phase                         |
| Motor HP                                 |   | 1.5   | 1   | 1.5                              | 2                        | 2                                | 3   | 3                                      |
| Speed Range                              |   | 60-1500 1-phase.<br>60-3000 3-phase                 | 75-2200,<br>2200-4000<br>with belt change | 90, 210, 345, 670,<br>1180, 1970 | 60-230,<br>450-1500      | 50--3200<br>single position belt | 80-600 in Back Gear<br>400-2720 Normal<br>50-5000 w VFD | 60-500 in Back Gear<br>500-2700 Normal |
| Speed Change Selection                   |   | Geared Head<br>1-phase 6-steps,<br>3-phase 12-steps | Electronic<br>Variable                    | Geared Head<br>six steps         | Geared Head<br>six steps | Proprietary VFD                  | 4-Step Belt Change<br>or VFD                            | Reeves Mechanical<br>Variable          |
| Head Type                                |   | Geared Head   | Belt Drive                                | Geared Head                      | Geared Head              | Belt Drive                       | J-Head Belt Drive                                       |  |
| Spindle Taper                            |   | MT3 or R8   | R8  | R8                               | R8                       | R8                               | R8  | R8                                     |
| Table Length                             | X | 32.25   | 28  | 31.5                             | 33                       | 33                               | 35  | 35                                     |
| MaxTable Movement                        | X | 20.5  | 17.75                                     | 23.375                           | 21.75                    | 21.75                            | 24  | 24                                     |
| Max Table Movement w Power Feed          | X | 18  | ??  | 19.5                             | 19                       | 19                               | 22  | 22                                     |
| Table Power Feed                         | X | Optional  | Optional                                  | Optional                         | Optional                 | Optional                         | Optional  | Optional                               |
|  |   |   |   |                                  |                          |                                  |   |  |
| Table Width                              | Y | 9.5   | 7   | 9.5                              | 8.25                     | 8.25                             | 9   | 9                                      |
| Table Movement                           | Y | 8.25  | 8.5                                       | 8                                | 11                       | 11                               | 12  | 12                                     |
| Table Power Feed                         | Y | N/A   | N/A                                       | N/A                              | N/A                      | N/A                              | Optional  | Optional                               |
|  |   |   |   |                                  |                          |                                  |   |  |
| Quill Travel                             | Z | 5   | 3   | 5                                | 5                        | 5                                | 5   | 5                                      |
| Quill Power Feed                         | Z | Optional  |   | Optional                         | N/A                      | N/A                              | Up & Down   | Up & Down                              |
| Head or Knee Power Feed                  | Z |   |   |                                  | Optional                 | Optional                         | Optional  | Optional                               |
| Maximum Z-Height (spindle nose to table) |   | 18  | 16.25                                     | 18                               | 20.5                     | 20.5                             | 17  | 17                                     |
| Spindle to Column                        |   | 10  | 8.5                                       | 10                               | 11.25                    | 11.25                            | 4 to 15   | 4 to 15                                |
| Weight in Pounds w/o Stand               |   | 750   | 370                                       | 850                              | 900                      | 750                              | 1430  | 1500                                   |