TECHNICAL FILE

D24 Fine Wire Drawing Machine

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3. Outlook

3-1. Overall

3-2. Pay-off Stand

3-3. Drawing Tank
3-4. Drawing Machine

3-5. Capstan and Meter Counter

3-6. Continuous Annealing Machine
3-7. Dancer

3-8. Take-up

3-9. Control Panel
3-10. Chiller
4-2. Stringing Path

4-2-1. Pay-off Stand

4-2-2. Drawing Machine

4-2-3. Capstan and Meter Counter

The amount of wraps on meter counter is determined by the result. During testing in OMEYA’s factory, two wraps gives the best performance.

4-2-4. Continuous Annealing Machine
4-2-5. Dancer

4-2-6. Take-up
4-3-4. HMI Operation

1. Title Screen

The components in title screen are listed as follow:

1. Back to previous page.
2. Go to main page.
3. Go to language page.
All pages have common components labeled from A to J:

A. Logo of OMEYA Technology and national flag of Taiwan, where OMEYA resides. This button leads to title screen.

B. Title of current page.

C. Time. Tap this section will lead to modify time page. Engineering mode authorization is required enter this page to prevent undesired reset on statistical data. For more reference, please refer to “Statistics” page. For information about engineering mode, please go to “Engineering Mode”. 

D. Back to previous page.

E. Actual line speed. This value is calculated from meter counter.

F. Total length in current spool and this value is calculated from meter counter. To reset this value, please refer to component 4 in “Length” tab in “Setting” page.

G. Amount of output by percentage, voltage in volt and current in ampere of continuous annealing machine.

H. Amount of output by percentage, voltage in volt and current in ampere of dryer.

The components in “Main” page are listed as follow:

1. Estimated amount of time required to complete current spool.

2. Temperature of drawing lubricant, drawing machine cooling oil, annealing lubricant and
cooling oil for continuous annealing machine.
3. Rotational speed in RPM of capstan.
4. Turns LED lights in the machine on or off.
5. Graphical display of dancer and current position.
6. Traverse sensors and arrows for direction indicators.
7. Rotational speed in RPM of take-up.
8. Buttons to all pages.