OMEYA TECHNOLOGY CO., LTD.

TECHNICAL FILE

D22 Fine Wire Drawing Machine

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3. Outlook

3-1. Overall

3-2. Pay-off Stand

3-3. Drawing Machine
3-4. Capstan and Meter Counter

3-5. Continuous Annealing Machine

3-6. Dancer
3-7. Take-up

3-8. Control Panel

3-9. Electrical Enclosure
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. 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.
3. Main 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. Currently applied recipe number. This number affects statistical data of recipe. For more information, please refer to "Recipe – Statistics" section under "Recipe" page.

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

G. 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.

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

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

1. Estimated amount of time required to complete current spool.
2. Status of die management data by amount of weight accumulated and consumed lifespan. If die management is not enabled, this field will be empty.
3. Temperature of drawing lubricant, drawing machine cooling oil, annealing lubricant and cooling oil for continuous annealing machine.
4. Rotational speed in RPM of capstan. The value is retrieved by scaling frequency value of drawing inverter.
5. Turns LED lights in annealing cabinet on or off.
6. Graphical and digital display of dancer position.
7. Traverse sensors and arrows for direction indicators.
8. Rotational speed in RPM of take-up. The value is retrieved by scaling frequency value of take-up inverter.
9. Buttons to all pages.