

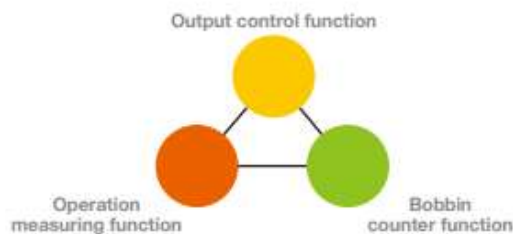


■ CP-18A



■ CP-180A

The production support function actually consists of three different functions (six different modes), which are the output control function, operation measuring function and bobbin counter function. Each with its own production support effect. An appropriate function (mode) can be selected as required. The parameter setting can be done on the panel located on the top of the sewing machine, thereby helping reduce operator fatigue during setup changing.



### Three different functions

(Six different modes)

#### Output control function

##### • Target No. of products display mode

Under the target No. of products display mode, the target number of products and the actual number of products produced according to the work hours are displayed.

##### • Target-actual result difference display mode

In the under target-actual result difference display mode, the difference between the target number of products and the actual number of products produced is displayed.

Since operators are able to work while checking their actual number of products on the panel at all times, they can strengthen their sense of purpose of achieving the target, thereby increasing productivity. Operators can visually check the progress of their work in real time, leading to the early detection of any problems and the execution of early corrective measures.

#### Operation measuring function

##### • Sewing machine availability display mode

Under the sewing machine availability display mode, the average sewing machine availability in the previous cycle and the current cycle is displayed.

##### • Pitch time display mode

Under the pitch time display mode, the average process machining time in the previous cycle and the current cycle is displayed.

##### • Average speed of stitch display mode

Under the average speed of stitch display mode, the accumulated speed of stitch in the previous cycle and the current cycle is displayed.

Since the sewing machine operation status, pitch time (process machining time), can be automatically measured, process analysis, line arrangement and confirmation of facility efficiency can be obtained with ease. As a result, the man-hours required for production control are reduced.

#### Bobbin counter function

##### • Bobbin counter display mode

The operator is notified that the bobbin needs to be replaced before the bobbin thread runs out.

Since the operator is notified of the time to replace the bobbin, the operator is no longer required to carry out the re-sewing of seams sewn without bobbin thread, thereby increasing working efficiency. In addition, the operator carries out his/her work under a stress-free environment without worrying about needle-hole damage to the material, which is likely to be made when sewing without bobbin thread.