

# Cap and Plug Unscrambling Sorting & Feeding

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## Project Brief

Sort and feed plastic inserts and caps to an existing machine. This machine utilizes Farason Integral Prefeeder and Farason Model SDP-24 Pocketed Disc Sorter.

Inserts or caps are fed from the prefeeder hopper bin via an elevating conveyor and deposited into the disc sorter on demand, as dictated by sensor in the disc sorter reservoir. Parts fall into and are carried out of the disc sorter via pockets configured to suit the size and shape of a specific component.

Upon exiting the disc sorter, parts enter a “C” shaped chute for reorientation onto a flat belt conveyor. A pick-off device at the conveyor end was designed to suit customers monobloc capping configuration. A sensor on the conveyor governs the output of the components from the disc sorter as needed. Systems are designed to suit customer’s specific application.

## Machine Data

- Pocketed disc-style feeder
- Integral floor-level prefeeder
- Quick change – one piece “C” chute
- Exit conveyor with polyurethane belt
- Feeder and conveyor sensors
- Pick-off to suit existing equipment
- Speed range: up to 300+ PPM

## Standard Features

- Stainless steel construction
- Anodized aluminum components
- Micro-PLC controlled logic

## Sample Options

- Polycarbonate covers
- Alternate prefeeders and hopper bins
- Casters

## Other Uses

- Feeding and sorting various components

## More Information

For more information on this, and many other Farason projects, please visit our website at [www.farason.com](http://www.farason.com) or call us at (610) 383-6224.