

# Drive Services

## ACS800 Retrofit Solutions for ACV700 and A-B/S 1352 SAMI STAR Drive Modules

ABB Drive Services enables customers to maximize the useful life, uptime and performance of their drive equipment.



### Taking care of Legacy Drives

Although drives are not normally the most expensive pieces of capital equipment, they often perform critical duties and have a high in-service value. Even well maintained drives will eventually start to face the end of their economical and technical lifecycle.

ABB has developed a product lifecycle management model aimed to provide proactive services for maximizing availability and performance. During Active and Classic phase, ABB offers complete lifecycle services. This model provides not only optimum support but also a smooth transition to a new drive when the service life of the current drive ends.

In many cases it is more economical and practical to extend the lifetime of the existing infrastructure, cabinets and cabling, electrical machinery and automation system by using a retrofit solution. This means changing the drive modules to the latest drive technology.

### Retrofitting drives

As new drive technology brings lots of benefits it also requires more from installation. Fast switching of semiconductors could cause insulation or bearing failures if not taken into consideration.

Things to check when planning a retrofit:

Power requirement

- Less, same or more power

Cabling

- Symmetrical and grounded motor cables

Motor

- Insulation class
- Insulated bearings at higher power

Control system

- Communication protocol

By contacting ABB at the early stage of your retrofit planning, we can guarantee the best possible solution and delivery for your needs.

## ACS800 retrofit solutions for the ACV700 and A-B/S 1352 SAMI STAR

ABB can offer you a reliable and easy to install retrofit solution designed just for your needs. In this retrofit solution the existing drive units are replaced with updated technology, ACS800 drives.

During the installation, the existing units are removed and new ACS800 drive modules and factory produced assembly kits are assembled into the existing cabinet. The whole procedure can be handled quickly with a well planned and engineered approach, managed to match your existing shutdown schedules.

In large line ups the retrofit installation can be divided into several parts, each consisting of a few drives and carried out during planned maintenance shutdown period, thus enabling production to continue without any interruptions.

ABB retrofit solutions provide you with all the product features of the latest ACS800 drive technology. There is also an opportunity to improve the productivity of the production line by increasing the power rating of ACS800 inverter unit compared to that of the ACV700 or A-B/S 1352 SAMI STAR drive.

ACS800 highlights:

- High flexibility
- Programmability
- Wide range of configurations and options
- Application programs for different industrial segments

ACS800 retrofit solution includes:

- ABB industrial drive module (ACS800-104)
- Fuse Switch
- Drive control unit (RDCU)
- Communication board and power supply
- Common mode filter
- EMC filters (du/dt)
- Operation panel installed in door
- New door for efficient cooling
- Assembly kits, wires and connectors
- Documentation
- Installation by ABB specialists

Options:

- Ethernet connection
- Drive window PC tool
- More demanding EMC solutions



## Contact us

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