TruckMaster
Remote racking solutions
Remote racking

Concept

Working with switchgear

Remote racking system allows the implementation of the circuit breaker racking in and out operation from a remote location.
Remote racking
Safety first

Distance is safety

Each single reason exposes operators to potential injuries due to arc flash incidents:
- Circuit breakers racking with open door
- Non-interlocked equipment
- Operations with live equipment
- Non internal arc classified (IAC) switchgear
- Missing of proper gas outlets

Remote operation places operator outside the arc-flash protection boundary
Remote racking
Not only safety…

**Enhanced switchgear operability**

- Human errors related to manual operations are prevented
- Right force application preserves mechanism and interlocks integrity
- Self-stopping system arrests operations in case of abnormal encountered resistance
Remote racking
Enhanced switchgear operability prevents human errors

**Frequent operations from control system**

*Integrated* solution embeds a motor operated racking system on each new or retrofit breaker

**Few operations during maintenance**

*Portable (TruckMaster)* solution installs a portable device per each switchgear line-up
Remote racking

TruckMaster variants for each application

**TruckMaster CS for screw rotary racking system**
Applicable to:
- ABB panels with cassette or floor-rolling circuit breaker equipped with withdrawable active, legacy and retrofit apparatus
- Non-ABB panels assembled with ABB cassettes and breakers

**TruckMaster FR for ratchet linear racking system**
Suitable for new floor-rolling retrofit circuit breaker
**TruckMaster CS**

Screw rotary racking system

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**Plug and play**

TruckMaster CS is composed of three elements:

- Driver docking
- Portable driver
- Remote console

Installation and commissioning: not needed

Operation:

- Very easy to mount
- No tools needed

🔗 Online video
TruckMaster FR
Ratchet linear racking system

**Easy implementation**

TruckMaster FR is composed of three elements:

- Driver docking with switchgear signal port
- Portable driver
- Remote console

Installation and commissioning: switchgear upgrade needed

Operation:
- Easy to mount
- No tools needed

🔗 Online video
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| Safety       | 1. Carry out the racking procedures from a safety distance with panel door closed  
               | Arc flash consequences exposure reduction |
| Operability   | 2. Right force application preserving mechanism and interlocks integrity  
               | Self-stopping system arresting operations in case of abnormal encountered resistance |
| Installation  | 3. CS remote control solution without any need to modify the existing panel  
               | FR easy switchgear upgrade during retrofit commissioning |
| Investment    | 4. Single portable driver and the relevant remote console for the whole line up  
               | Cost effective way to bring the operator to a new level of safety |

Increase the distance is the best choice!