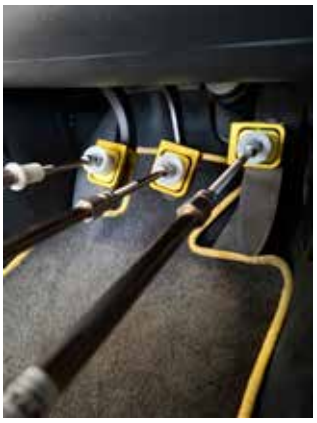
STÄHLE ROBOT SYSTEMS

SAP2000V

Autopilot System for EMC tests

Worldwide first WLTC compliant Driving Robot for EMC environments

- **Human drive style speed control**
- **Integrated Battery**
- **Various human drive styles selectable**
- **Dynamic and accurate actuator and drive system**
- **Extreme high repeatability**
- **All module weight <16 kgs for comfortable setup**
- **Very fast & simple vehicle installation under 10 mins**



STÄHLE ROBOT SYSTEMS

PRECISE | RELIABLE | EFFICIENT

STÄHLE GmbH | Maybachstraße 12 | 71299 Wimsheim | Germany
Tel. +49 (0) 70 44 - 91 56 1-0 | Fax +49 (0) 70 44 - 91 56 1-29
Internet: www.stahle.com | Email: info@stahle.com

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New features

The new EMC Generation of the SAP2000 version delivers:

1. shortest installation times
2. Lowest module weights < 16kg
3. All-electric technology
4. WLTC Human Driver Performance

System components: our Super Seat Plate with seat belt mounting comprises a shift actuator on base plate. Our Pedal actuator unit includes accelerator, brake, clutch & a floor shifter. Futhermore our SAP2000V can handle additional actuators as for instance keyboys.

The software solution in "emission level" version offers a driving style creation. Beyond the three presets already provided (precise/lazy/aggressive), the user can modify all the driving anticipation parameters in order to get closer to his human reference model. The fields of application for a constant generated driver are correlation tests with different vehicles or with different cycles. The differences thus measured cannot come from the driver. STÄHLE driving robots incorporate this functionality for applications on chassis dynamometers and proving grounds but it is also available as an import/export module for Driver-in-the-loop simulations of IPG CarMaker and AVL Puma software.

Some few examples of usage

Applications

- EMC Emission tests
- EMC Immunity tests

Extensions

- SPE Keyboy Push-Button Actuator
- Adapter set to full-size trucks