TECHNO CHIPS

FASSI

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CONTROL

IMC
Integral Machine Control
control

ADC
Automatic Dynamic Control
control

WL
Walvoil Distributor Bank
control

S800
Multifunction Distributor Bank
control

S900
Multifunction Distributor Bank
control

D850
Digital Multifunction Distributor Bank
control

D900
Digital Multifunction Distributor Bank
control

LMS
Load Monitoring system
control

AWC
Automatic Winch Control
control

ACF
Automatic Crane Folding
control

CCD
Cabin Collision Detection
control

PSC
Platform Stability Control
control

FX-Link
Integrated crane-truck connectivity
control

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Radio Remote Control
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Radio Remote Control
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V7RRC
Radio Remote Control
control

FX500
Fassi Electronic Control
control

FX900
Fassi Electronic Control
control

FX901
Touch Screen Display
control

ME
Manual Extension
control

FSC
Fassi Stability Control
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MOL
Manual Outriggers Lock
control

CPM
Crane Position Monitoring
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OTC
Oil Temperature Control
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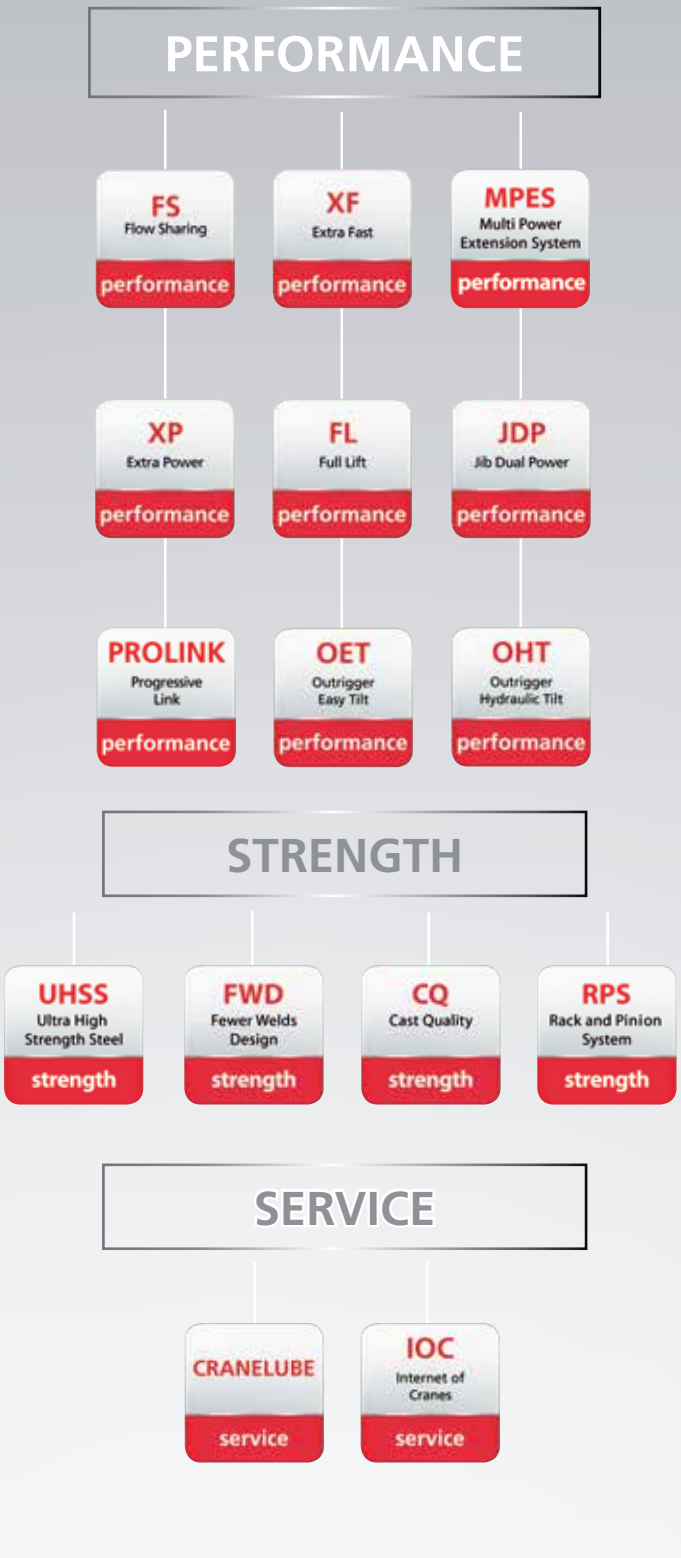
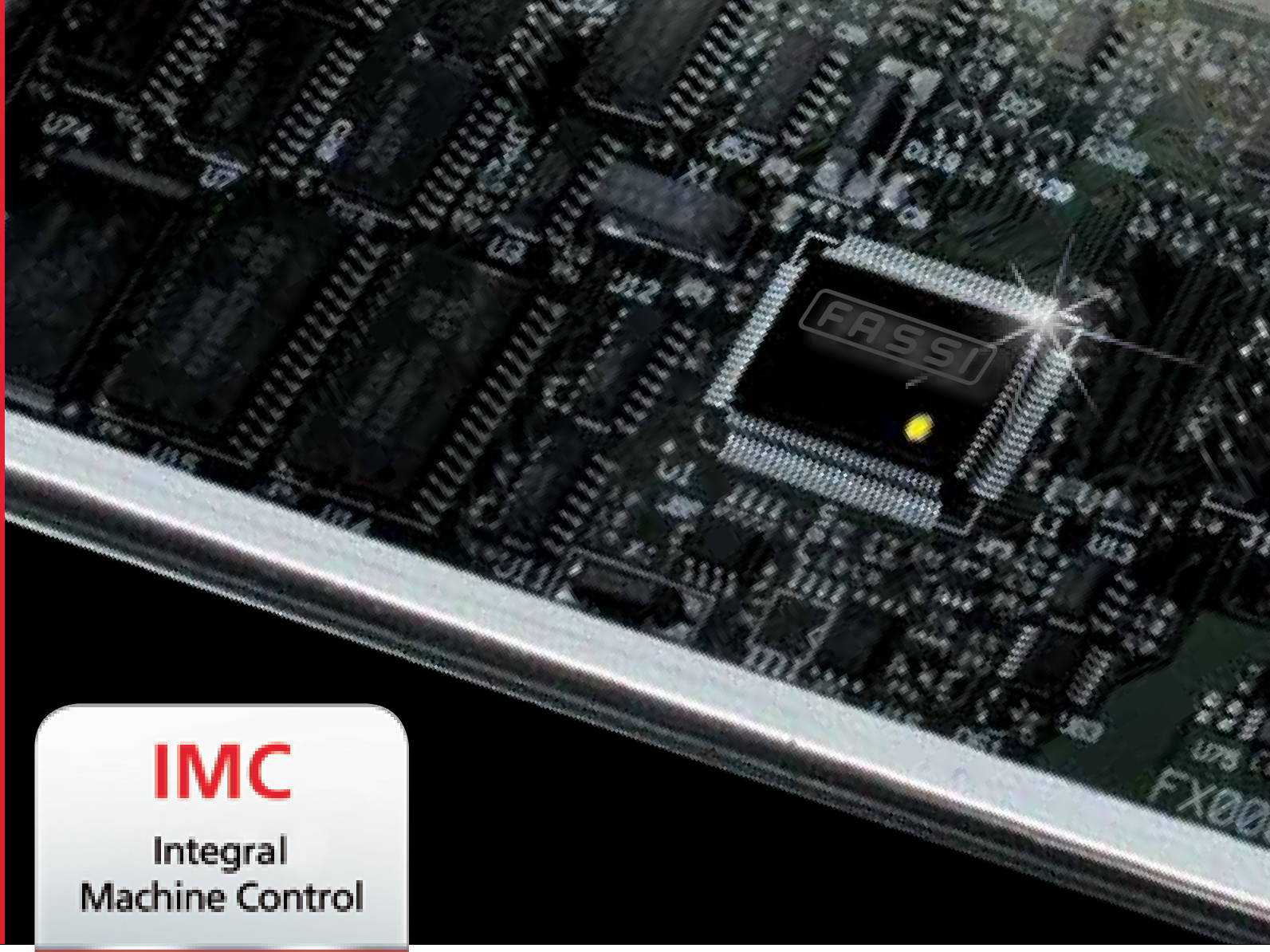
GAS
Grab Automatic Shake
control


PERFORMANCE
FS
Flow Sharing
performance
XF
Extra Fast
performance
MPES
Multi Power
Extension System
performance
XP
Extra Power
performance
FL
Full Lift
performance
JDP
Jib Dual Power
performance
PROLINK
Progressive
Link
performance
OET
Outrigger
Easy Tilt
performance
OHT
Outrigger
Hydraulic Tilt
performance
STRENGTH
UHSS
Ultra High
Strength Steel
strength
FWD
Fewer Welds
Design
strength
CQ
Cast Quality
strength
RPS
Rack and Pinion
System
strength
SERVICE
CRANELUBE
service
IOC
Internet of
Cranes
service

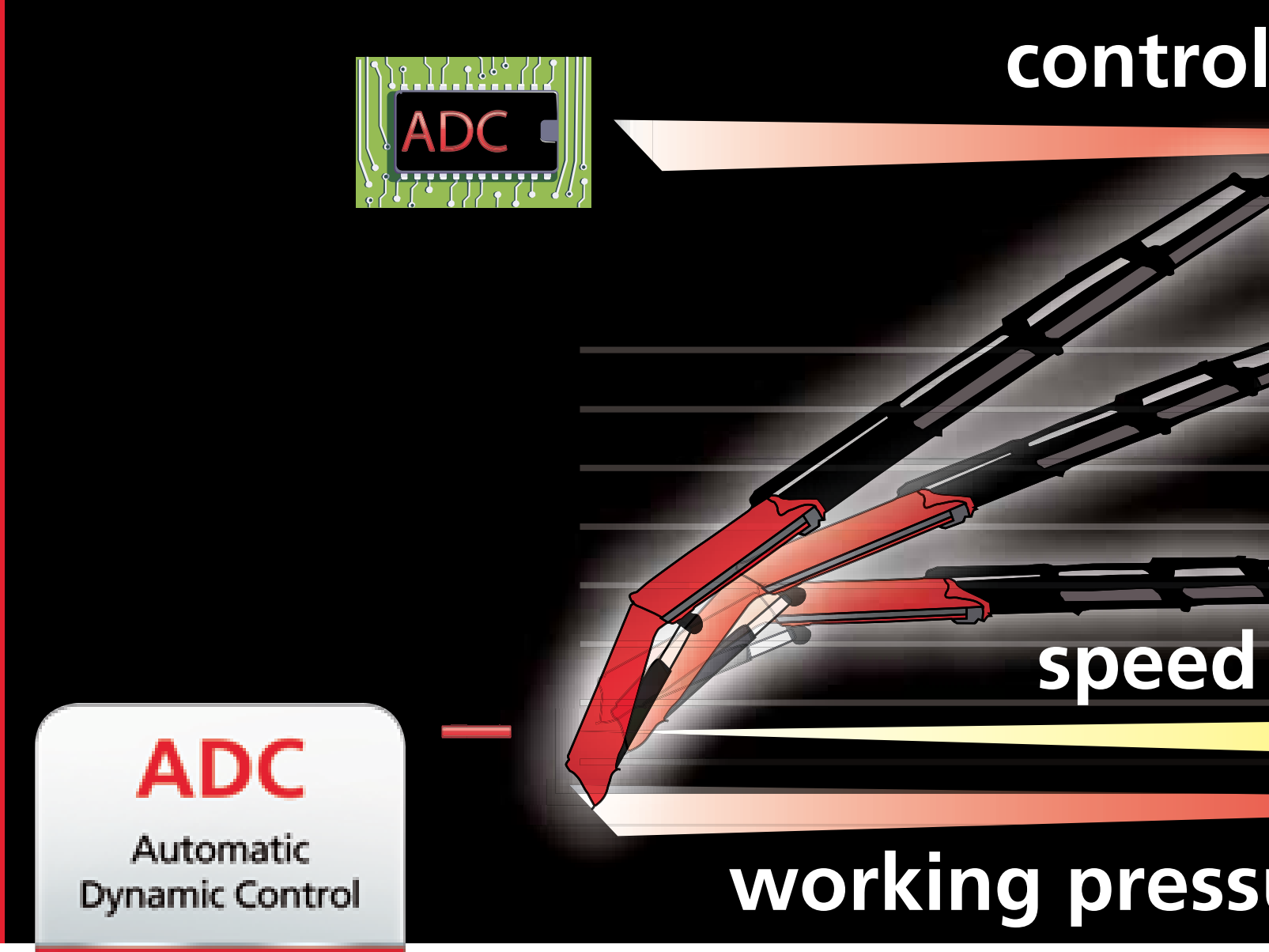


IMC
Integral
Machine Control

control

IMC - Integral Machine Control GB

It is the digital brain of the Fassi cranes which, through sophisticated electronics, in addition to the crane control systems, manages the best operating conditions to ensure the optimal machine performance and control applicable to all the work conditions. It uses a Can bus communication system between the peripheral sensors.



ADC - Automatic Dynamic Control

GB

A control system developed by Fassi automatically controlling the dynamics of all the crane functions maximizing the speed of movement depending on the handled load, allowing only controlled movements and minimizing the structural stress on both the crane and the frame/sub frame of the vehicle.

CONTROL

WL

Walvoil
Distributor Bank

control

WL - Walvoil Distributor Bank

GB

Parallel monobloc proportional hydraulic distributor bank. It is characterized by strength and simplicity of operation.

CONTROL

S800

Multifunction
Distributor Bank

control

S800 - Multifunction Distributor Bank GB

Multifunction distributor bank ideal for the application on small-medium range cranes, with specific spools set up in relation with the characteristics of the crane functions.

CONTROL

S900

Multifunction
Distributor Bank

control

S900 - Multifunction Distributor Bank GB

High performances multifunction compensated distributor bank with very high “load-sensing” proportional multifunction ability; all crane functions are perfectly controlled, proportional and smooth. Ideal for the application on heavy range cranes.

CONTROL

D850

Digital Multifunction Distributor Bank

control

D850 - Digital Multifunction Distributor Bank GB

Multifunction hydraulic distributor bank with digital anti-saturation system that manages the oil delivered by the pump proportionally among all the functions that require it, thereby ensuring a perfect multifunction and proportional operation.

CONTROL

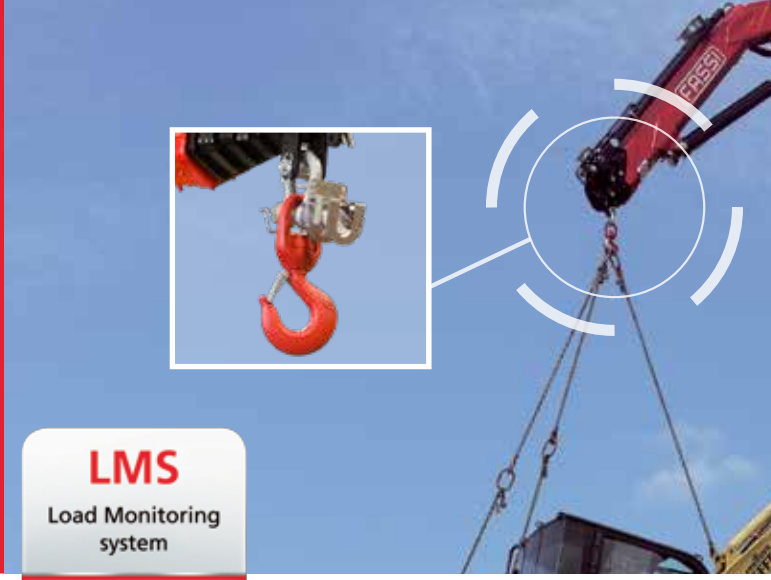
D900

Digital Multifunction Distributor Bank

control

D900 - Digital Multifunction Distributor Bank GB

High performances multifunction compensated hydraulic distributor bank with digital anti-saturation system thereby ensuring a superlative multifunction and proportional operation. Coupled with the Fassi XF (Extra Fast) system, it guarantees an extraordinary fluidity and speed of action.



LMS
Load Monitoring system
control

LMS - Load Monitoring System

GB

Load Monitoring System is composed of a shackle with a load cell which transmits information about the load being lifted to a service unit, which then sends it to the Fassi control unit via the crane's CAN BUS system. Information about the weight being lifted can be viewed on the FX901 display and on colour-display radio control units, in fact it is essential that the LMS system is combined with these accessories in order to provide the information. Weight can be viewed in tonnes or in pounds and its indication is extremely clear and immediate, highlighted on the screen in a red box near the lifting hook in the display's graphic representation of the crane.

CONTROL

AWC - Automatic Winch Control

GB

The AWC system uses a network of wireless sensors to monitor movements and variations of the crane's extensions, maintaining a constant distance between the pulley on the tip of the crane and the lifting hook. Whatever extension or retraction of the boom is made, the length of wire rope between crane tip and load is automatically kept fixed.

ACF

Automatic Crane Folding

control

ACF - Automatic Crane Folding GB

Thanks to this new feature, operators can unfold or store the crane by a single manual command, which automatically activates a sequence of movements for correct positioning at the beginning and at the end of operations. It can be used on models fitted with digital radio control and certain control sensors.

CCD - Cabin Collision Detection

GB

Thanks to electronic control devices, the CCD system, an acronym for Cabin Collision Detection, ensures safe crane use by automatically blocking all those potentially dangerous main and secondary boom movements that enter the “protection zone” of the truck cab. This new function increases the safety of Fassi cranes, always safeguarding the operational efficiency and integrity of the truck.

PSC

Platform Stability Control

control

PSC - Platform Stability Control

GB

The PSC system, an acronym for Platform Stability Control, thanks to an installation of dedicated components, allows the use of the standard crane configured as an aerial work platform (in PLE mode) through a single command. A system integrated with the standard one has been created that simplifies the “in PLE mode” of lifting cranes.

FX-LINK - Integrated crane-truck connectivity

GB

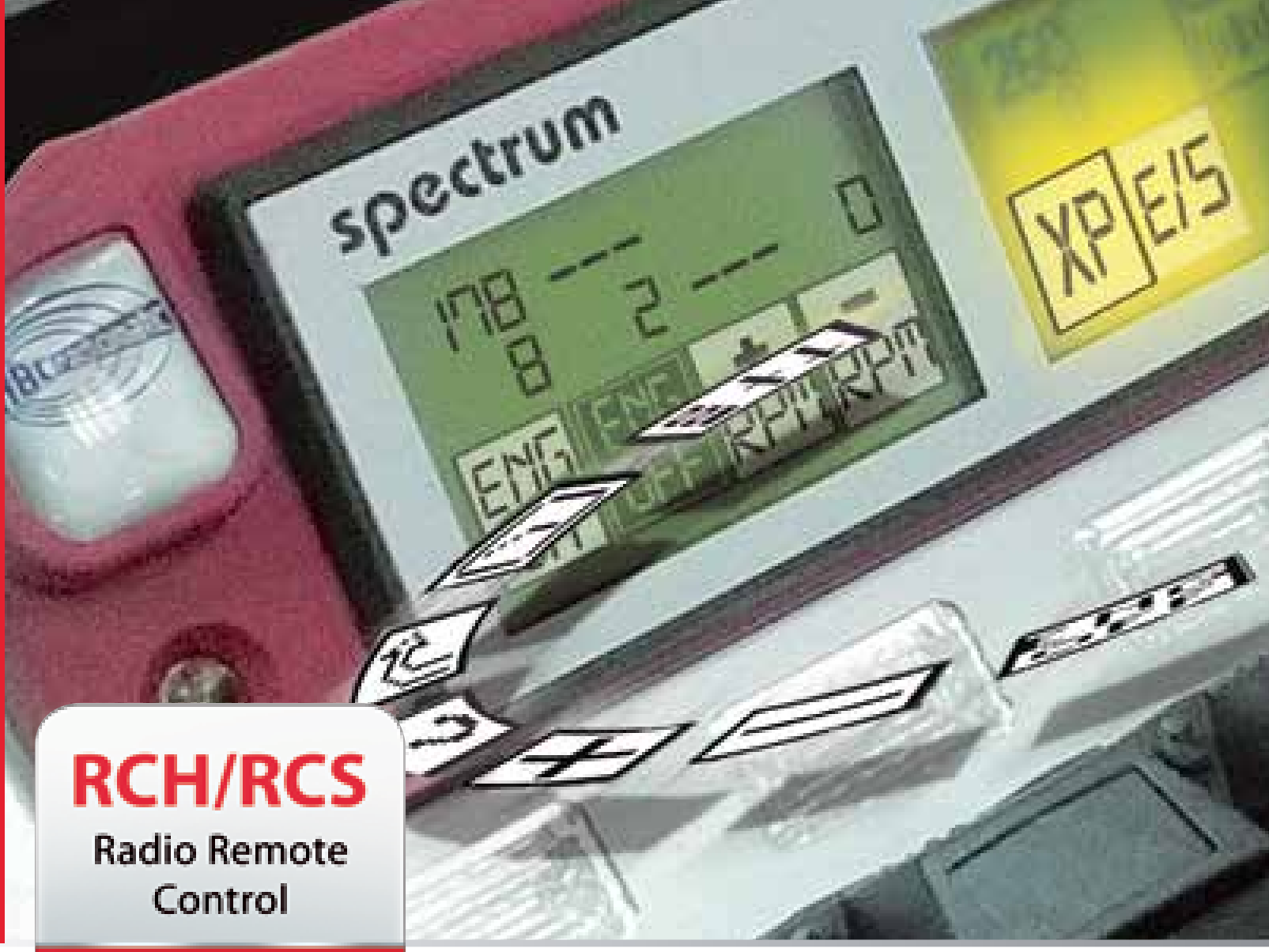
Fassi has developed the FX-Link system to optimise connectivity between the crane and truck.

In practice, it controls various truck functions from the crane's remote control and vice versa, developing new integrated command/control functions.

RRC - Radio Remote Control

GB

Availability of analog radio controls PWM, both the compact version with linear levers and the new generation version controllable with one hand and sensitive to movement.
Ideally conceived for the light range, they satisfy any request of the operator



RCH/RCS

Radio Remote Control

control

RCH/RCS - Radio Remote Control

GB

The new-generation digital radio remote control, exclusively compatible with the Fassi product, with wide graphic display to remotely control the functions of the crane and, optionally, the vehicle and the outriggers. It automatically researches the available frequency and allows for continuous interaction between operator and crane.

V7RRC - Radio Remote Control

GB

The new-generation digital radio remote control, exclusively compatible with the Fassi product, with wide graphic display to remotely control the functions of the crane and, optionally, the vehicle and the outriggers. The new graphic interface of Fassi's V7 remote controls represents an improvement in the efficiency of the communication between the crane and its operator, enabling the operator to detect and understand an event to optimise their work.

CONTROL

FX500

Fassi Electronic Control

control

FX500 - Fassi Electronic Control

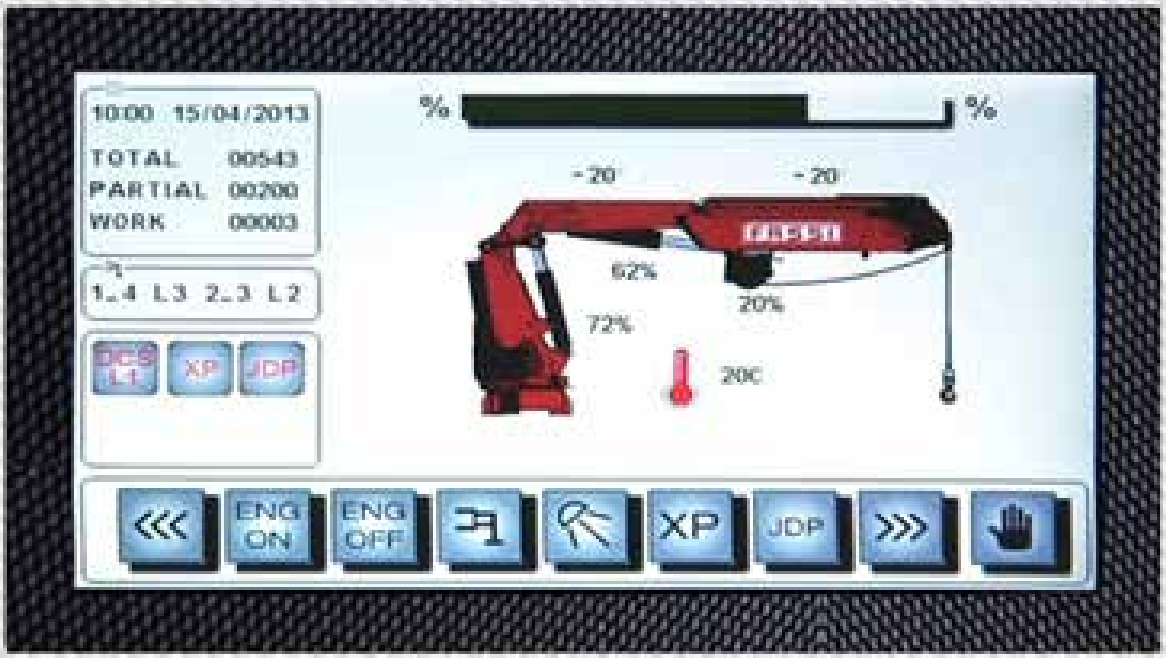
GB

A system that electronically controls the load conditions of the crane, of the hydraulic and manual extensions and of the winch, manages the lifting moment with the possibility to activate different work sectors, in relation to the stability condition of the vehicle/crane unit. In addition, it transmits and records the working data.

FX900 - Fassi Electronic Control

GB

System that electronically controls the load conditions of the crane, of the hydraulic and manual extensions and of the winch, with technical and functional characteristics suited to specific crane models, especially those designed to provide high operational performances, even in the most difficult working conditions. Moreover it handles the lifting moment with the possibility to activate different work sectors, in relation to the stability condition of the vehicle/crane unit.



FX901

Touch Screen Display

control

FX901 - Touch Screen Display GB

7" graphic color display with touchscreen technology. It allows to display detailed information concerning stabilization and crane working conditions.

ME

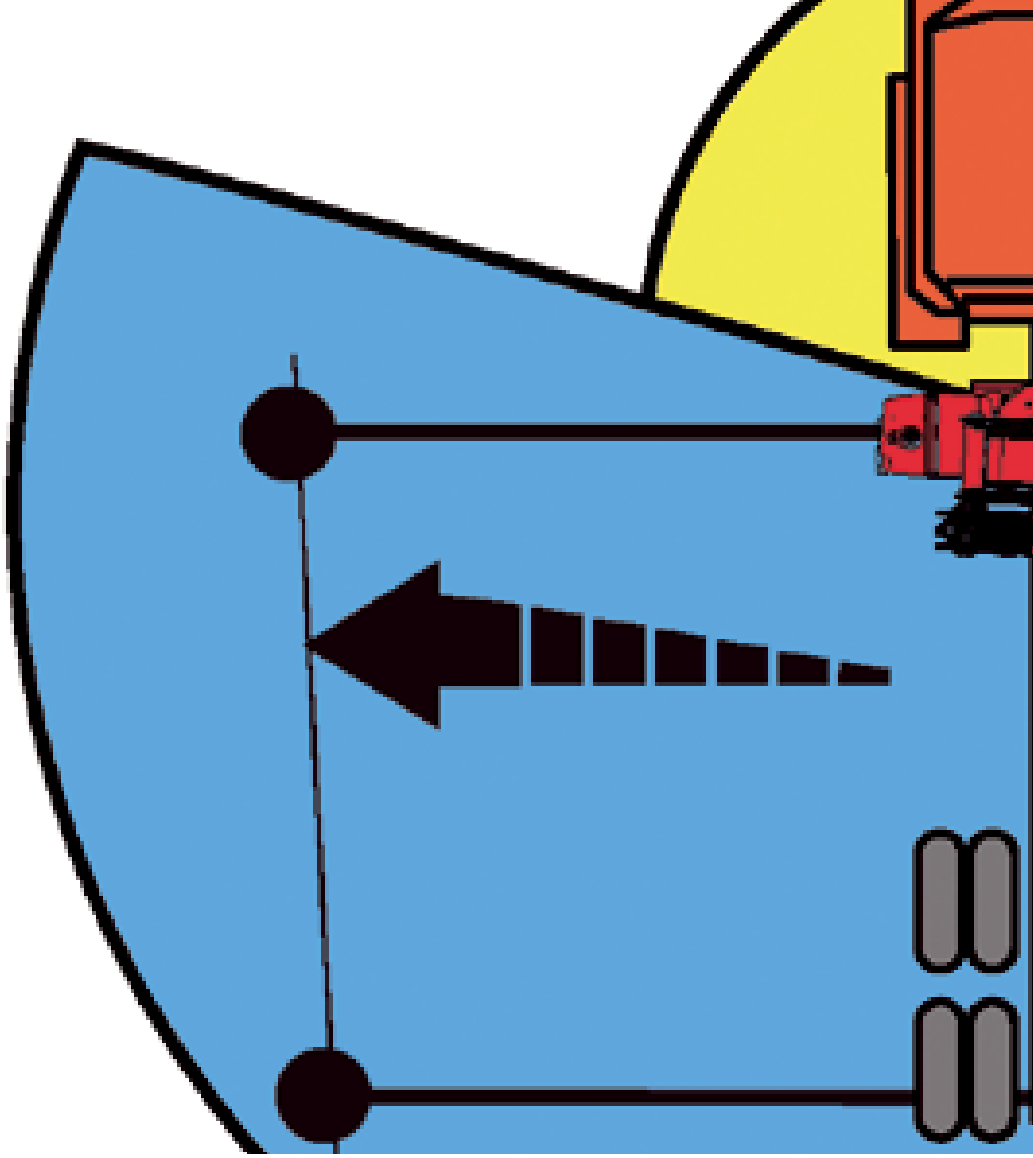
Manual Extension

control

ME - Manual Extension

GB

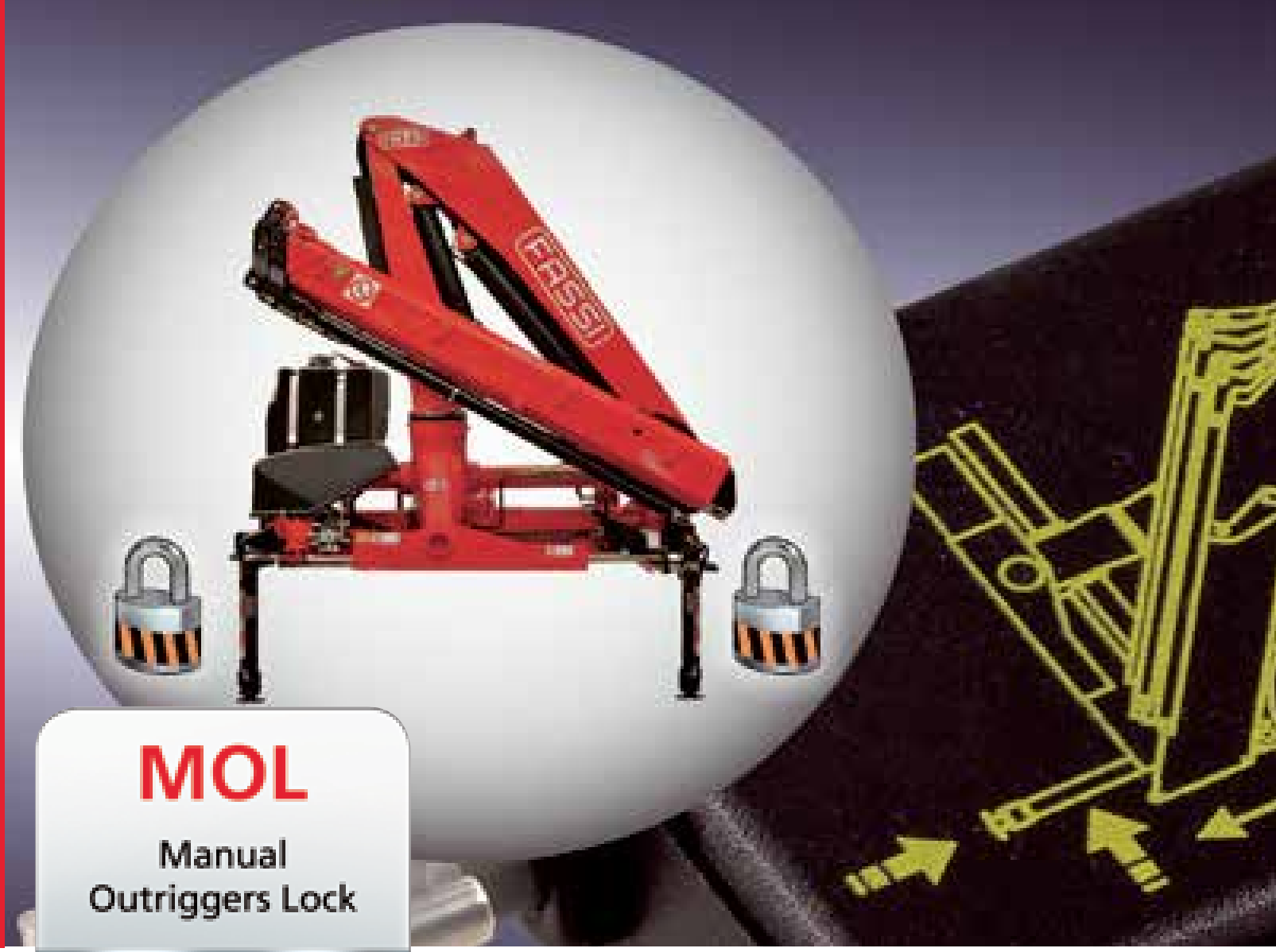
Fassi designed, developed and patented system which, combined with the electronic systems FX500 and FX900, uses a dedicated software to decide whether the load applied to the manual extension can be lifted or not, with reference to the foreseen loads. The system also provides the evaluation of the applied load.



FSC
Fassi Stability Control
control

FSC - Fassi Stability Control GB

A Fassi system that continuously monitor and ensure the ideal crane working conditions versus the vehicle/crane stability, based on the position of the lateral extension supports of the outriggers. The system is available in 4 versions: L (Low), M (Medium), H (High) and S (Super) characterized by different design and functionality to suite all possible configuration of all the different crane models.



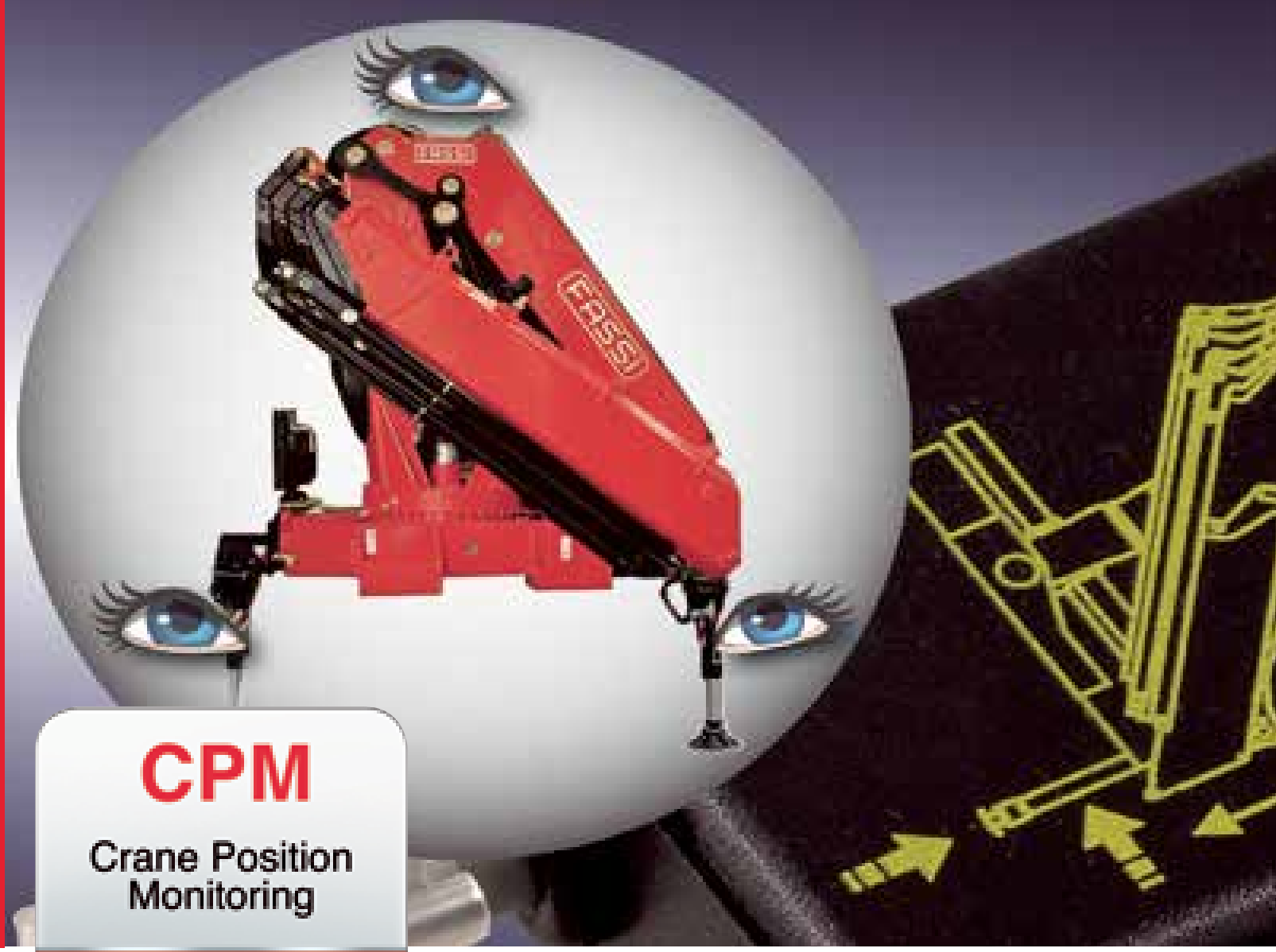
MOL

Manual
Outriggers Lock

control

MOL - Manual Outriggers Lock GB

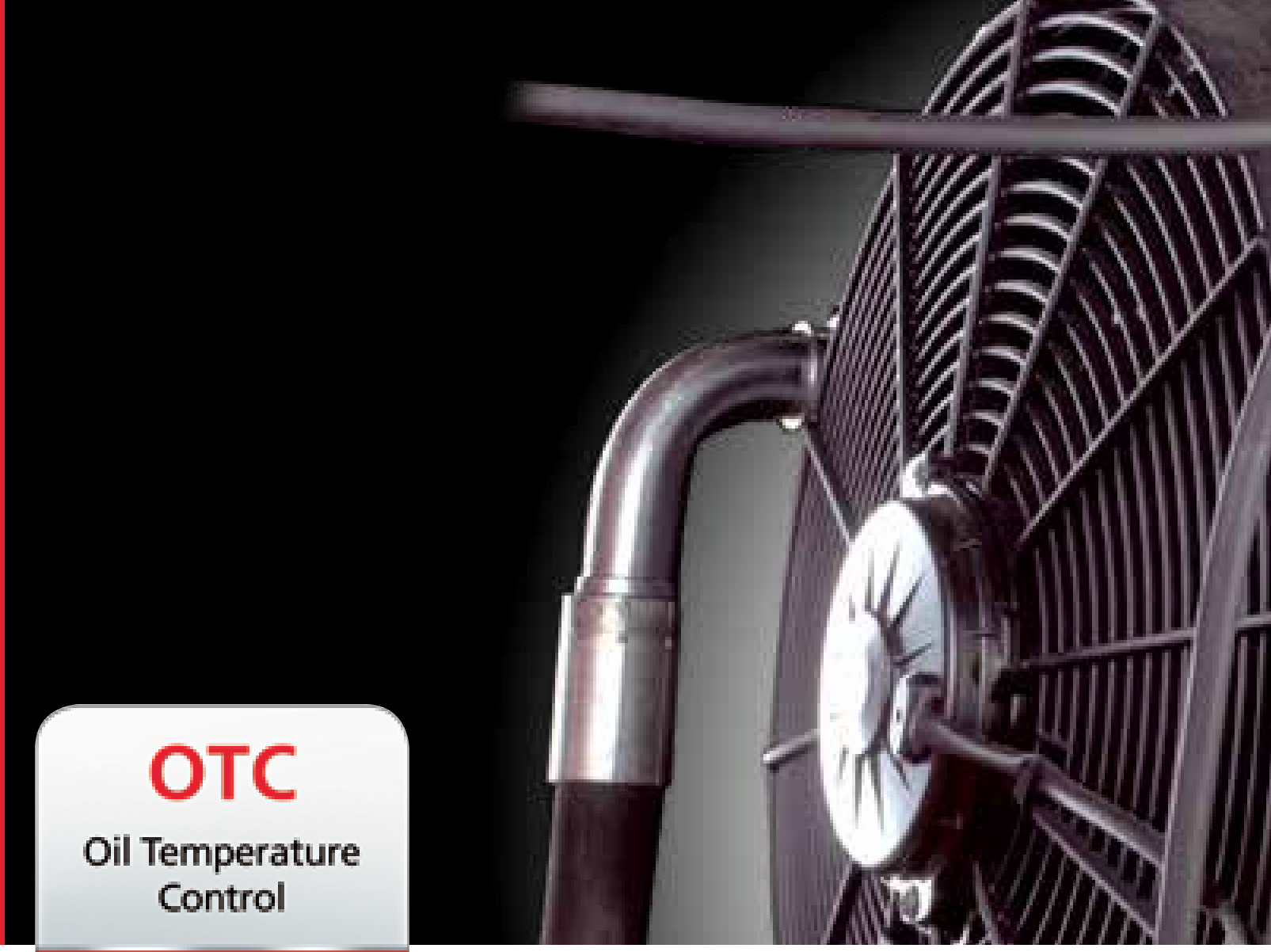
A security system that detects the engagement of the safety latch of the primarily locking pin of side manually extendable outrigger supports, at rest in the transport position. It is completed by a visualizer with visual and acoustic alarm, to install on the dashboard of the vehicle cab.



CPM - Crane Position Monitoring GB

A security system that detects if the lateral extension supports of the outriggers are fully retracted, both for manually and hydraulically extendable outrigger supports. Linked to the height check system of the crane, at rest in the transport position, it is completed by a visualizer with visual and acoustic alarm, to install on the dashboard of the vehicle cab.

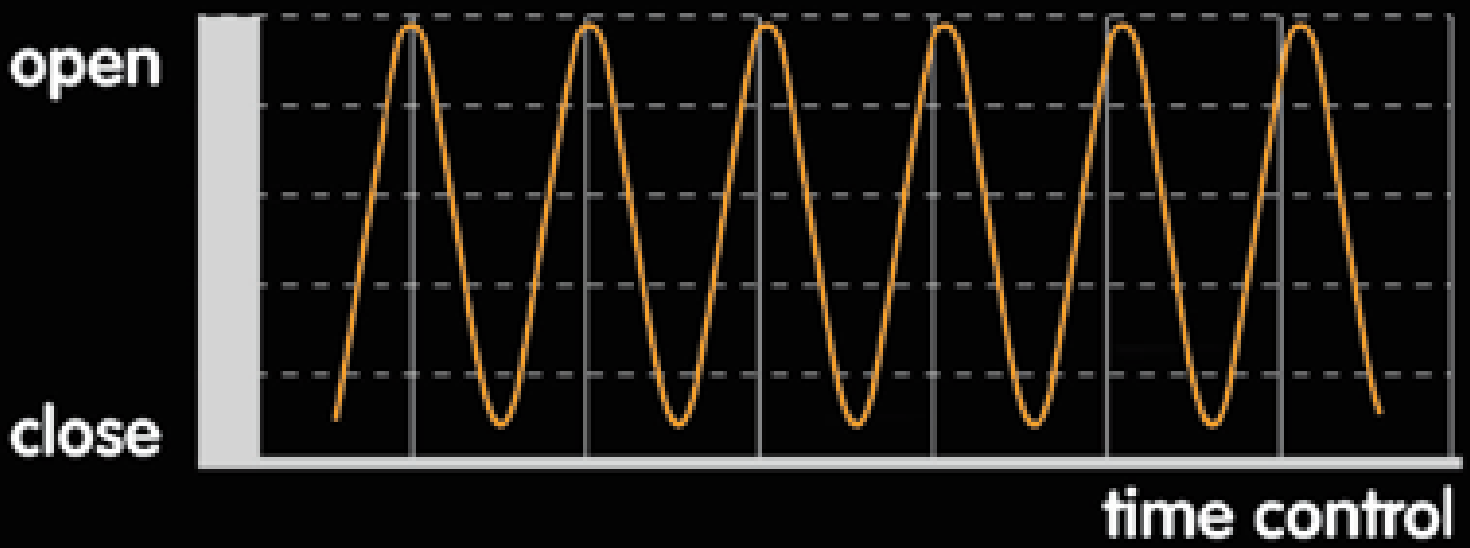
CONTROL



OTC - Oil Temperature Control

GB

Temperature control device electronically controlled, thanks to the analogic temperature sensor fitted inside the oil cooler, is capable of maintaining an optimal temperature of the hydraulic system even in the most stressful condition of use. The temperature value is shown on the user control panel and radio control handle display.



GAS
Grab Automatic Shake
control

GAS - Grab Automatic Shake GB

Automatic and adjustable shake system which enables the gradual emptying of the grab by operating through radio remote control. This gradual operation is fulfilled even at high speeds thanks to the automatic control of the grab opening and closing. Moreover, the system efficacy is guaranteed also in case of multiple manoeuvres and it is not affected by Flow Sharing or dynamics.

FS - Flow Sharing

GB

A system that proportionally distributes the oil from the pump to all manoeuvres simultaneously. It allows the operation of more functions at the same time by distributing the available oil flow proportionally to the desired functions and at the desired speed guaranteeing the perfect multifunction ability of the hydraulic distributor.

PERFORMANCE

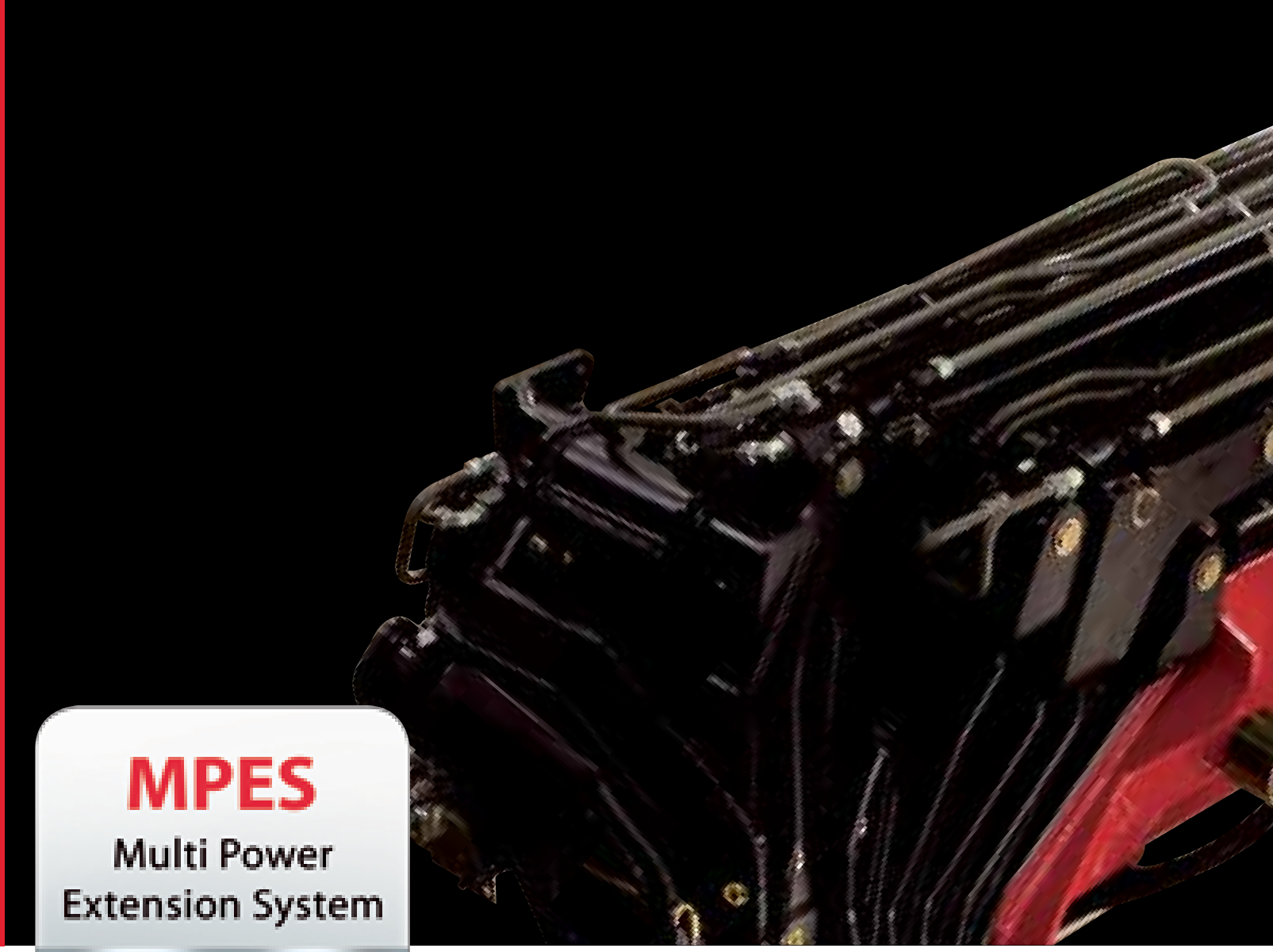
XF
Extra Fast
performance

XF - Extra Fast

GB

A Fassi system that, through dedicated pilot operated check valves in conjunction with the multifunction distributor, allows smoothly, precisely and sensitively movements with less oil heating and higher speeds of operation.

PERFORMANCE



MPES - Multi Power Extension System GB

A Fassi system that guarantees an exceptional extension/retraction speed of the telescopic booms, built up by a set of equally powerful independent rams, linked in series connection and activated by a single control. Special independent fixing system of the extension rams to guarantee high vertical lifting performances.

PERFORMANCE

- Speed

XP
Extra Power
performance

XP - Extra Power

GB

A Fassi system that activates an excess of power in the most difficult situations, precisely when it’s necessary, proportionally reducing the speed of the crane movements but, at the same time, increasing the lifting capacity.

FL - Full Lift

GB

A system that allows you to select, based on operational needs, “FAST” (recycling valve activated) or “POWER” (recycling valve deactivated) while telescoping the booms. Selection is both via radio control thanks to the icon on the display or on the push button of the main control panel.

PERFORMANCE

JDP - Jib Dual Power

GB

A Fassi system that provides a double level of lift capacity for the hydraulic jib, depending from the hydraulic reach of the crane in vertical condition, controlled by outer boom extensions, ensuring inimitable performances of the hydraulic jib.

PROLINK
Progressive
Link
performance

PROLINK - Progressive Link

GB

Exclusive Fassi system, built up by a longer outer lifting ram in conjunction with the linkage system, allowing to increase the working angle of the crane above the horizontal line from 10° to 15° according to the model, still maintaining in this configuration the nominal lifting performances. Prolink find application as well on the articulation ram of the jibs, with an increase of the working angle of the jib above the horizontal line from 10° to 20°.

PERFORMANCE

OET - Outrigger Easy Tilt

GB

System which enables an easy tilt of manually tiltable outriggers by exploiting the force of a specific gas spring acting on a kinematic motion. In this way, it is no more necessary to manually support the outrigger while tilting it, but it is sufficient to operate the dedicated handle.

PERFORMANCE

OHT - Outrigger Hydraulic Tilt

GB

System which enables the tilt of the hydraulically tiltable outriggers through hydraulic servomotor or servoram. Operating the specific tap, oil flow is diverted from the outrigger to the actuator and the ram manoeuvres is easily controlled by the operator, without the need to apply any force.

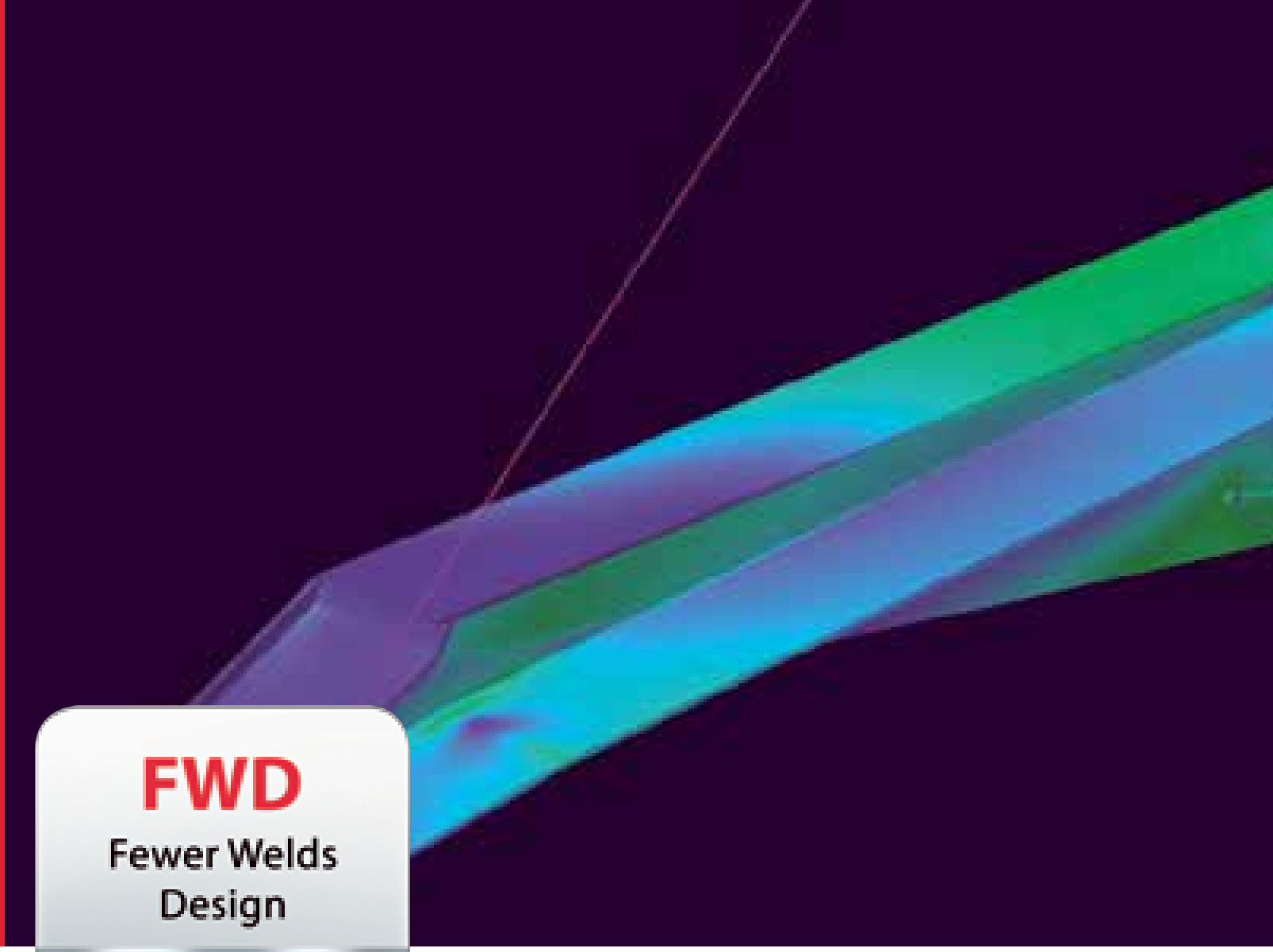
STRENGTH

UHSS - Ultra High Strength Steel

GB

Ultra high strength steel used for the construction of the Fassi structural components, with a high elastic limit, increases structural strength and resistance of the components and at the same time reduces the weight of the crane, to the benefit of the loading capacity of the vehicle which increases.

STRENGTH



FWD - Fewer Welds Design

GB

Fewer welded joints, the stronger the structure will be. Structural components made out of bended steel with a welded closing plate in lieu of four corners welded structures or monolithic structure likes those for the outer boom and sliding sections with one single welded side: balanced elasticity under load and ideal resistance to fatigue.

STRENGTH

CQ - Cast Quality

GB

Fassi use for more then 35 years cast components with high mechanical characteristics for various important structural components, such as the bottom section (pinion) and the head of the column, the column support, the heads of the ram rods and the cylinder bottoms, the connecting rods and other minor components: less weldings, higher performance to fatigue cycles.

STRENGTH

RPS - Rack and Pinion System

GB

Exclusive Fassi rack and pinion rotation system with gravity self centering rack guide shoe; no need of external adjustment. Low friction anti-seizure techno-polymer rotation top bush for an extra strong rotation power.

IOC - Fassi Internet of Cranes®

GB

With Fassi's patented Internet of Cranes® - IoC, all cranes fitted with the system are online. This allows operators to rely on a continuously active assistance service which thus optimises maintenance times and costs. Fassi's patented Internet of Cranes® – IoC system manages all the information relating to the functioning of the crane to give the operator (and the support centre) the benefits of a machine with active intelligent logic during operations.

FASSI CRANELUBE

GB

The line of Cranelube Fassi products is designed to obtain over time an excellent level of performance at the best operating costs from Fassi cranes. The Fassi Cranelube products are specific to the articulated crane, allowing you to tackle any working condition by fully exploiting the performance of the machine that is using them.

Lifting Tomorrow

FASSI

LEADER IN INNOVATION

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

02/2019

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