MTF6000
SMART, CONNECTED & EFFICIENT

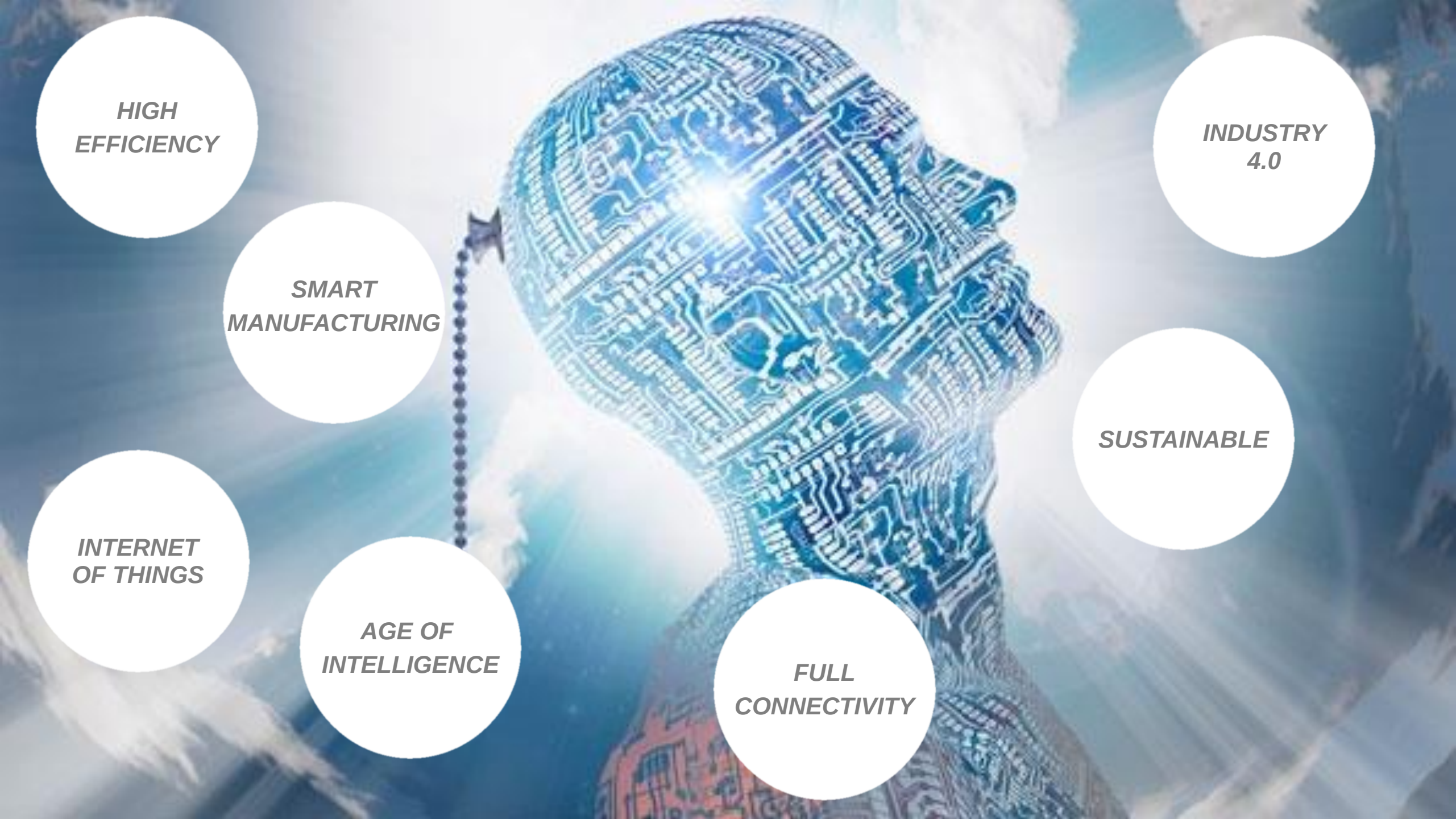
Version: 1.0

Atlas Copco

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us.
We make performance stand the test of time. This is what we call – Sustainable Productivity.

WHAT THE INDUSTRY SAYS ABOUT THE FUTURE OF MANUFACTURING?


HIGH EFFICIENCY
SMART MANUFACTURING
INTERNET OF THINGS
AGE OF INTELLIGENCE
FULL CONNECTIVITY
SUSTAINABLE
INDUSTRY 4.0

HOW ATLAS COPCO SOLUTIONS CAN HELP?

Provide Full Data Analysis

Smart and Intelligent Screwdrivers

Fully Connected and Integrated Solutions

Automation Ready Solutions

Flexible Solutions

Zero Fault Assembly

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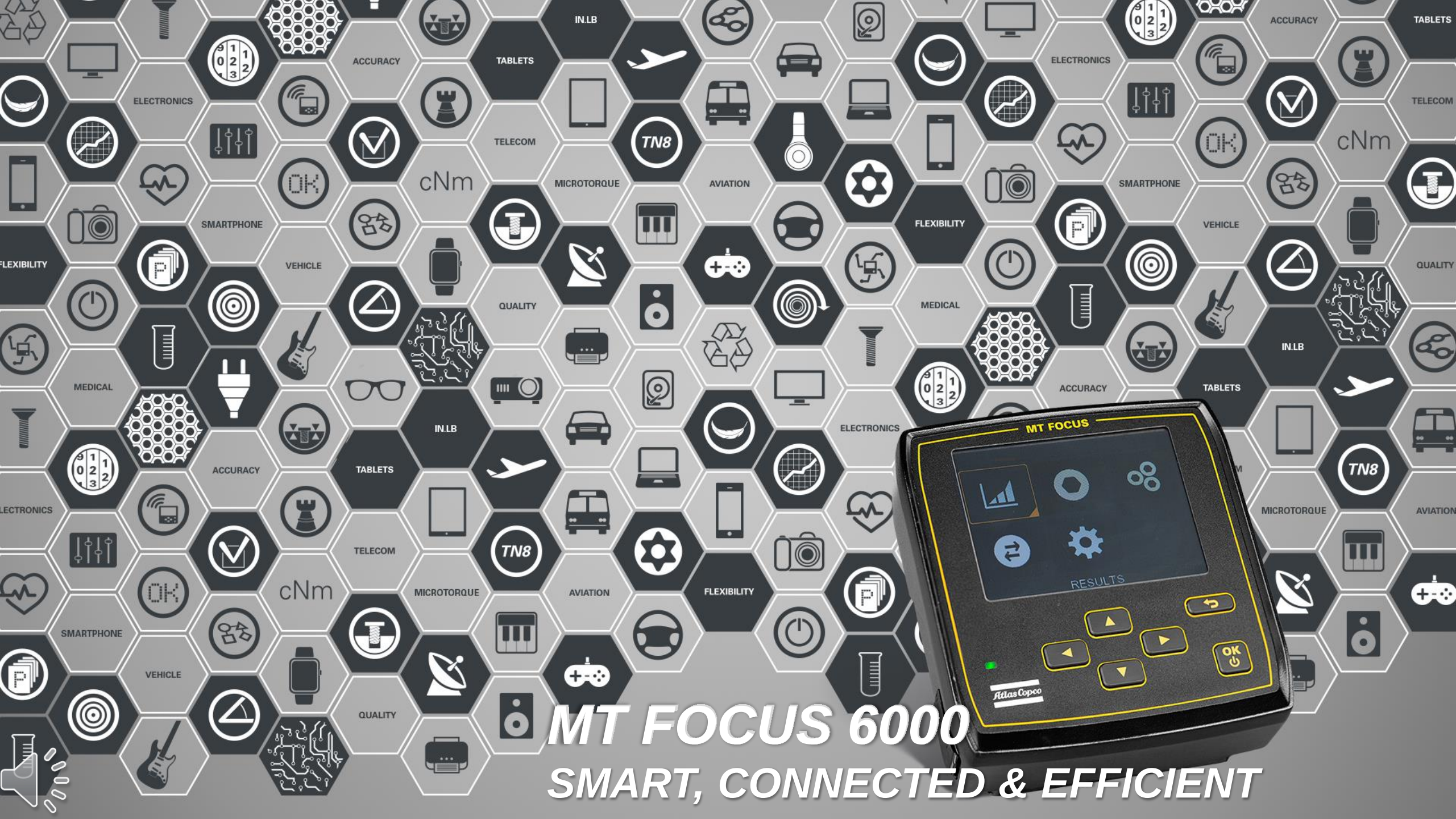

MT FOCUS
RESULTS
OK
Atlas Copco
MT FOCUS 6000
SMART, CONNECTED & EFFICIENT

SMART

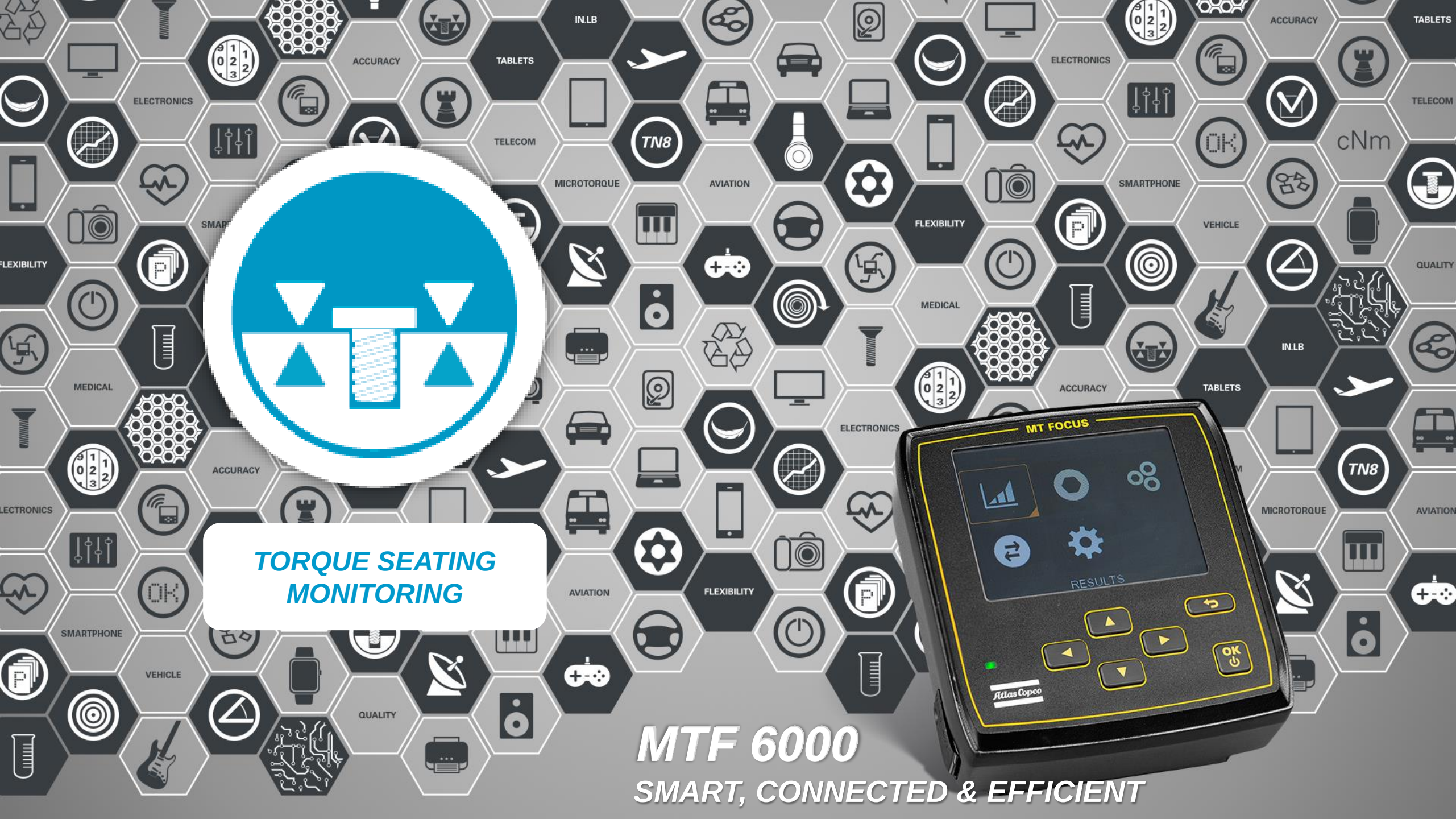
CONTINUOS IMPROVEMENT

TORQUE SEATING MONITORING

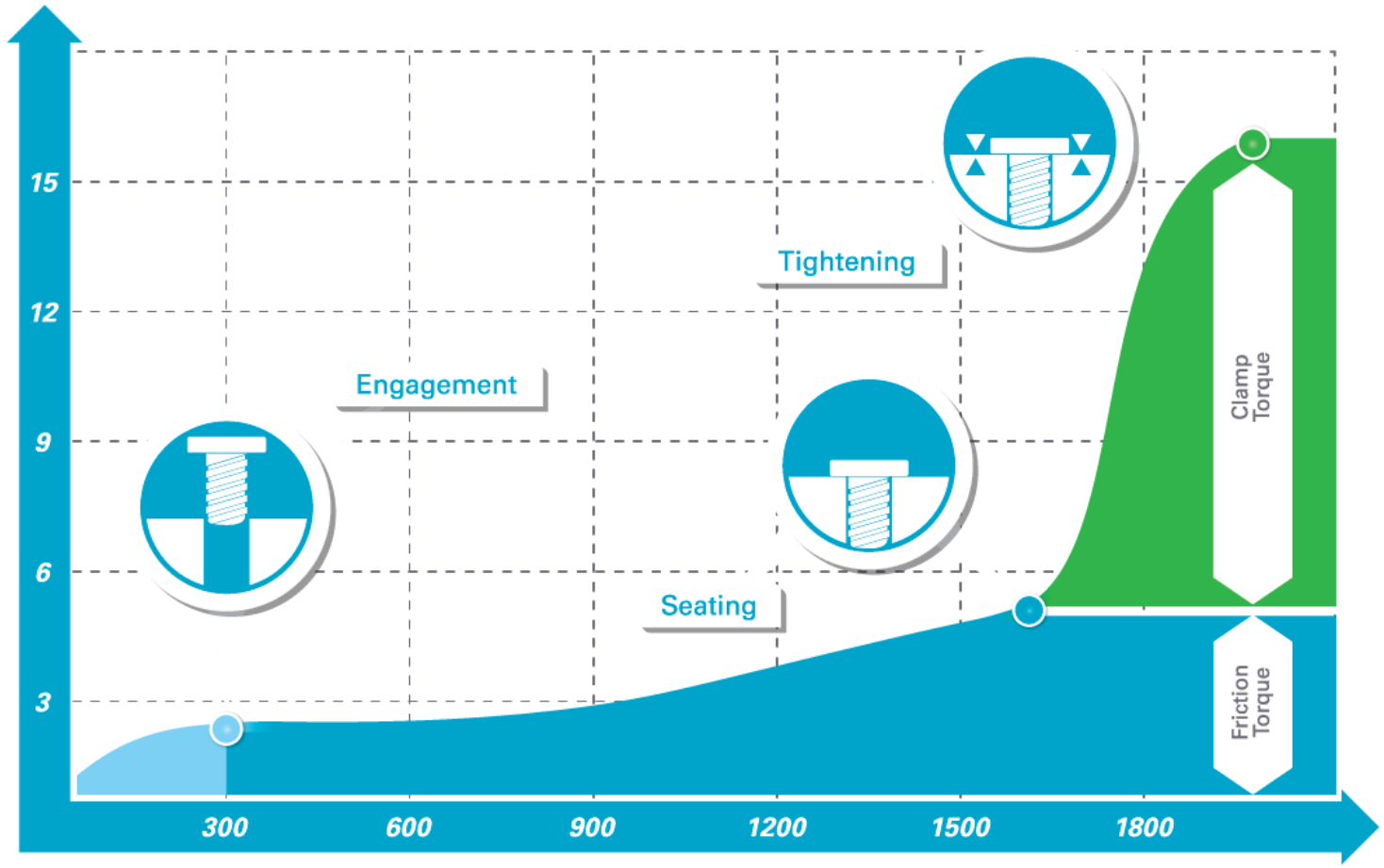
SEATING CONTROL STRATEGY

GRAPH ANALYSIS

- *MOST INNOVATIVE AND UNIQUE TIGHTENING STRATEGIES*
- *SMARTEST TIGHTENING METHODS IN THE MARKET*
- *PROCESS ANALYSIS AND OPTIMIZATION*


TORQUE SEATING
MONITORING
MTF 6000
SMART, CONNECTED & EFFICIENT
MT FOCUS
RESULTS
Atlas Copco
OK
cNm
IN.LB
ACCURACY
TABLETS
ELECTRONICS
TELECOM
MICROTORQUE
AVIATION
FLEXIBILITY
SMARTPHONE
VEHICLE
QUALITY
MEDICAL
TN8

MTF6000 – TORQUE SEATING MONITORING



- Secures Target Torque
- Clamp Torque Monitoring
- Seating Point Detection
- Eliminates Floating Screws
- Maximum Tightening Quality

HIGH TORQUE ACCURACY

SECURES CLAMPING TORQUE

ELIMINATES TIGHTENING ERRORS

SMART & UNIQUE TIGHTENING TECHNOLOGY

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VEHICLE
QUALITY

CONNECTED

TRANSPARENCY & ACCESSIBILITY

REMOTE PROGRAMMING

TN8 REPORTING

MULTI COMMUNICATION

- *QUICK REMOTE ACCESS REDUCING DOWN TIME & SETUP TIME*
- *TRACEABILITY, EASY ERROR DETECTION AND FULL PROCESS CONTROL*
- *EASY INTEGRATION WITH ANY SYSTEM*

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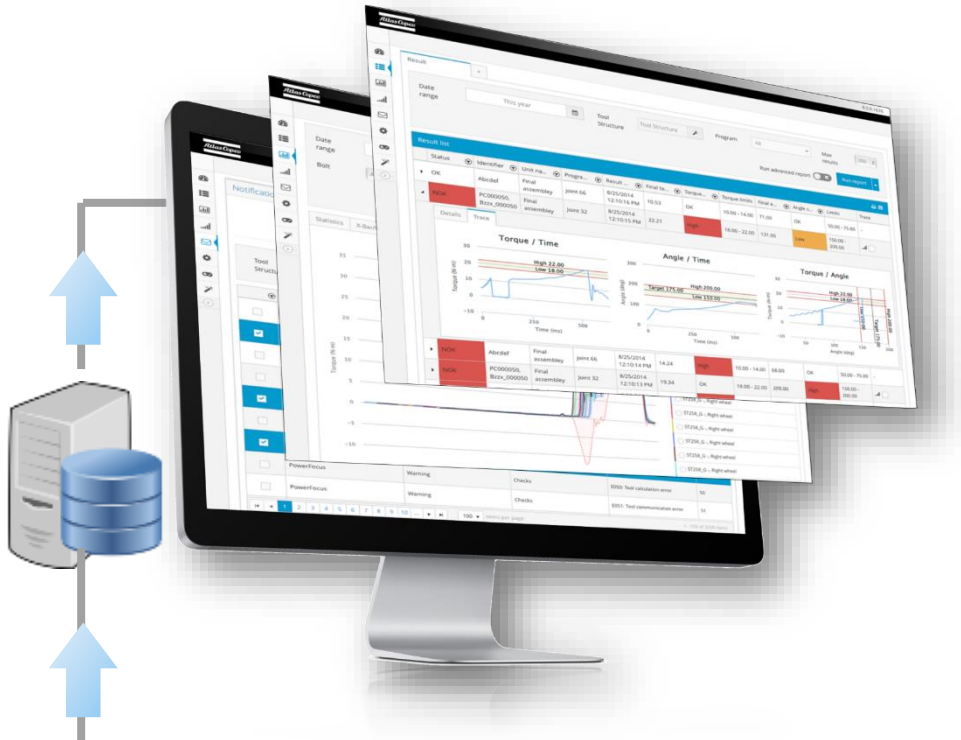
TN8

TN8 REPORTING

MTF 6000

SMART, CONNECTED & EFFICIENT

MTF6000 – TOOLSNET 8 REPORTING



FULL PROCESS CONTROL

TRACEABILITY

REDUCE COSTS

FULL DATA STORAGE & CONTROL

- Tighteing Results & Graphs
- Alarms & Errors Reports
- Tools & Process Information
- Graph Analysis
- Multiple & Detailed Report
- Process Statistics

NETWORK

QUALITY
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VEHICLE
QUALITY

EFFICIENT

PRODUCTIVITY AND FLEXIBILITY

MULTIPLE TORQUE PROGRAMS

MULTI STEP TIGHTENING

TIGHTENING STRATEGIES

- *MINIMIZE AND ELIMINATES SETUPS*
- *REDUCE CYCLE TIME WITH MAXIMUM QUALITY*
- *MULTIPLE RESOURCES FOR ANY TYPE OF SCREWED JOINT*

REMOTE
PROGRAMMING
MT FOCUS
RESULTS
OK
Atlas Copco
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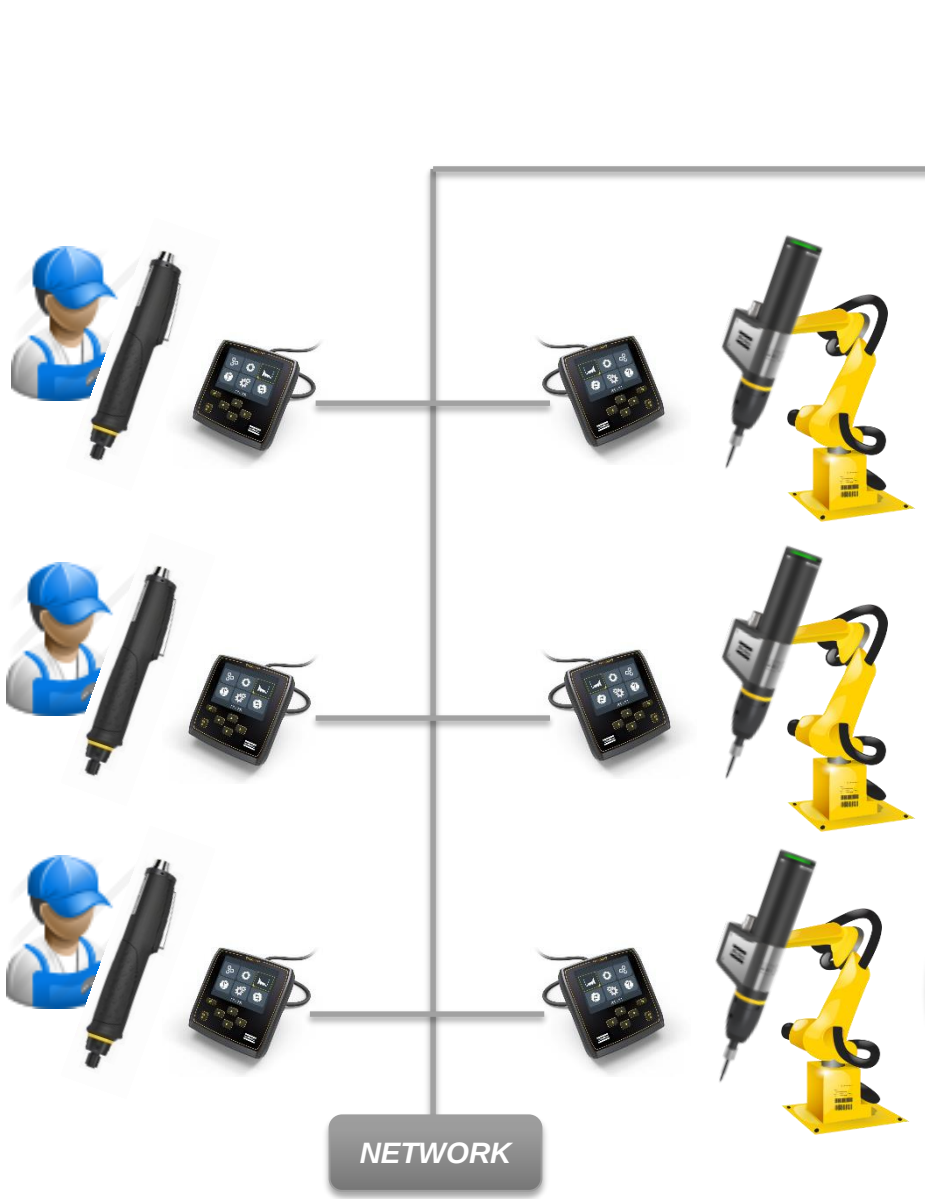
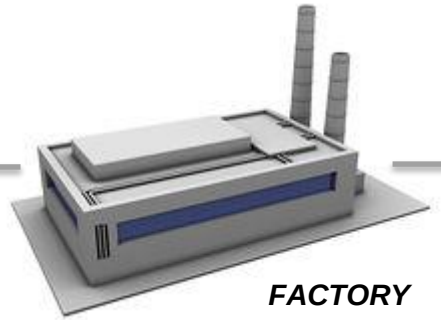
MTF6000 – REMOTE PROGRAMMING





FACTORY

OFFICE

COMPLETE REMOTE ACCESS

- Change Processes Parameters
- Check System Information & Status
- Instant Access to any Controller

QUICK REACTION TIME

REDUCE SETUP TIME

BETTER SUPERVISION AND PROCESS CONTROL

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QUALITY

ADVANCED FEATURES

QUALITY AND PROCESS CONTROL

HIGH TORQUE ACCURACY

ANGLE MONITORING & CONTROL

BATCH SEQUENCE

- *TORQUE CONSISTENCY AT EVERY JOINT*
- *DETECTION OF COMMON TIGHTENING ERRORS*
- *WORKFLOW CONTROL AND PROCESS ROBUSTNESS*

BATCH SEQUENCE

MTF 6000

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MTF6000 – BATCH SEQUENCE

WORKFLOW CONTROL

ELIMINATES OPERATION ERRORS

QUALITY ASSURANCE

Workstation

No Batch Sequence Activated

Waiting for new scan

WORKFLOW CONTROL

- Configurable workflow sequecence
- Operator guidance
- Integration with external systems
- Rejection and repair assistance
- Detailed data reporting

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QUALITY

EASY TO USE

OPERATOR FRIENDLY

OPERATOR FEEDBACK

BATCH COUNT

AUTO-SET

- *IMMEDIATE FEEDBACK AND ERROR DETECTION*
- *ELIMINATES AND REDUCES MISSING SCREWS ERRORS*
- *SIMPLE AND EASY TO SETUP THE SYSTEM*

MTF6000

Features & Functionalities

MULTIPLE TORQUE PROGRAMS

ANGLE MONITORING & CONTROL

SEATING CONTROL STRATEGY

OPERATOR FEEDBACK

COMPACT & LIGHTWEIGHT

TORQUE SEATING MONITORING

BIT SLIP DETECTION

MULTI STEP TIGHTENING

HIGH TORQUE ACCURACY

GRAPHIC DATA & ANALYSIS

BATCH COUNT

EASY INSTALLATION

TN8 REPORTING

REMOTE PROGRAMMING

TIGHTENING STRATEGIES

ERROR PROOFING POSSIBILITIES

DATA REPORTING

QUICK SET

MULTI COMMUNICATION

BATCH SEQUENCE

DATA MEMORY

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ONE CONTROLLER,
UNLIMITED POSSIBILITIES

MTF6000

One Controller – Unlimited Possibilities

Software

ToolsTalk MT

Controller

MTF6000

Workstation ***Process***

Handheld

Current Control

ETD M ABL V2

Fixtured

Current Control

QMC

MTF6000

One Controller – Full Communication & Integration Capabilities

Serial & I/Os

Ethernet

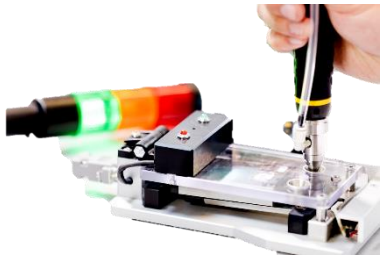
ToolsTalk MT

TN8

Automation

Accessories

Smart Jigs & Sensors



USB Drive

Bar Code Reader

RF ID Reader

MTF 6000

IAM Functionality Levels

Quality Tightening

Joint Control

Error Proofing

Workstation

- ✓ STAND ALONE SOLUTION
- ✓ BASIC TIGHTENING STRATEGIES LIMITED TO 5 STEPS
- ✓ ERROR PROOFING WITH JIGS AND SENSORS, VIA I/OS
- ✓ AUTOMATION INTEGRATION USING I/OS ONLY
- ✓ BAR CODE SCANNING FOR PSETS/BATCH SEQUENCE SELECTION
- ✓ WORKFLOW CONTROL USING BATCH SEQUENCE

Smart Tightening

Process Control

Full Traceability

Process

- ✓ FULLY CONNECTED SOLUTION
- ✓ DATA REPORTING AND MANAGEMENT VIA TN8
- ✓ SMART TIGHTENING STRATEGIES UP TO 10 STEPS
- ✓ SCS AND TSM TIGHTENING STRATEGIES
- ✓ ERROR PROOFING WITH JIGS AND SENSORS, VIA I/OS
- ✓ AUTOMATION INTEGRATION USING I/OS
- ✓ BAR CODE SCANNING FOR DATA REPORTING (TN8) AND SELECTION OF PSETS/BATCH SEQUENCE
- ✓ WORKFLOW CONTROL USING BATCH SEQUENCE

DIFFERENT FUNCTIONALITIES LEVELS CUSTOMIZED FOR YOUR NEEDS…

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IAM Functionality Levels

	Workstation	Process
Tightening		
Number of Psets	50	150
Multi Step Tightening	•	•
Number of Tightening Steps	5	10
Number of Batch Sequence	20	50
Batch Sequence - Batch Count	250	250
Batch Sequence - Steps	30	30
Number of Identifiers	20	50
Seating Control Strategy (SCS)	-	•
Torque Seating Monitoring (TSM)	-	•
Bit Slip Detection	-	•

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IAM Functionality Levels

	Workstation	Process
Data Storage & Analysis		
Detailed Data Results Stored in the Controller	•	•
Results - Data Storage	100.000	100.000
Graphs - Data Storage	-	1.000
Download Results Data via USB Memory	•	•
Download Graphs Data via USB Memory	-	•
Real-time Trace Analysis - ToolsTalk Analysis	•	•
Save Graphs via ToolsTalk Analysis	•	•
Auto Save Graph via ToolsTak Analysis (USB Only)	•	•
ToolsNet 8 Data Reporting	-	•

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IAM Functionality Levels

	Workstation	Process
Communication		
Configurable Digital I/0s	•	•
Number of Digital I/Os (in/out)	(12/8)	(12/8)
Direct Communication with ToolsNet 8	-	•
Others		
Barcode Reader	•	•
Quick Program	•	•
Password Protection	•	•
Customized 3 Levels of Password Protection	•	•
Remote Configuration via Ethernet	-	•

MTF6000
EFFICIENCY, QUALITY AND COST REDUCTIONS TO YOUR PROCESS

COMMITTED TO

SUSTAINABLE PRODUCTIVITY.

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