SUPPORT FOR YOUR APPLICATIONS

Tektronix Touchscreen Oscillosopes offer solutions for major testing standards and support for applications in embedded systems, digital communications, high speed serial, power, automotive, wideband RF analysis and more.

Power Integrity and Power Management

Jitter Analysis

Automotive Serial Bus Analysis

Embedded Serial Bus Analysis and Compliance Testing

Electromagentic Interference (EMI) Troubleshooting

3-phase Invertors, Motors and Drives

Tektronix

Evolution of the Tektronix Touchscreen Oscilloscope

In 2017, Tektronix launched the 5 Series MSO Oscilloscope, the first oscilloscope designed from the ground up with a touch interface. That was just the beginning.
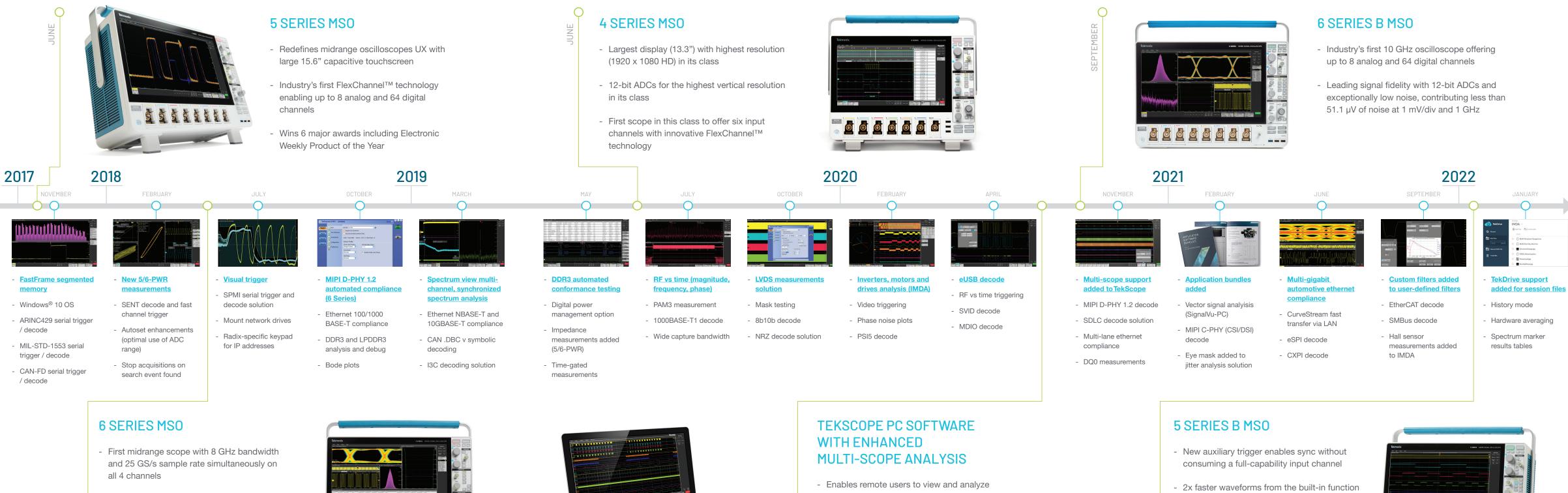
Since then, regular updates, added functionalities, new capabilities and new models and series have been added, enabling engineers to keep innovating with ever-increasing ease and accuracy. View the timeline to get the complete picture.

EVOLUTION OF THE TEKTRONIX TOUCHSCREEN OSCILLOSCOPE

With regular updates and added functionalities, the value of your Tektronix oscilloscope is always increasing.

5 SERIES MSO
JUNE

- Redefines midrange oscilloscopes UX with large 15.6" capacitive touchscreen
- Industry's first FlexChannel™ technology enabling up to 8 analog and 64 digital channels
- Wins 6 major awards including Electronic Weekly Product of the Year

4 SERIES MSO
JUNE

- Largest display (13.3") with highest resolution (1920 x 1080 HD) in its class
- 12-bit ADCs for the highest vertical resolution in its class
- First scope in this class to offer six input channels with innovative FlexChannel™ technology

6 SERIES B MSO
SEPTEMBER

- Industry's first 10 GHz oscilloscope offering up to 8 analog and 64 digital channels
- Leading signal fidelity with 12-bit ADCs and exceptionally low noise, contributing less than 51.1 µV of noise at 1 mV/div and 1 GHz

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Timeline: 2017 | 2018 | 2019 | 2020 | 2021 | 2022

Months: NOVEMBER | FEBRUARY | JULY | OCTOBER | MARCH | MAY | JULY | OCTOBER | FEBRUARY | APRIL | NOVEMBER | FEBRUARY | JUNE | SEPTEMBER | JANUARY

NOVEMBER
- **FastFrame segmented memory**
- Windows® 10 OS
- ARINC429 serial trigger / decode
- MIL-STD-1553 serial trigger / decode
- CAN-FD serial trigger / decode

FEBRUARY
- **New 5/6-PWR measurements**
- SENT decode and fast channel trigger
- Autoset enhancements (optimal use of ADC range)
- Stop acquisitions on search event found

JULY
- **Visual trigger**
- SPMI serial trigger and decode solution
- Mount network drives
- Radix-specific keypad for IP addresses

OCTOBER
- **MIPI D-PHY 1.2 automated compliance (6 Series)**
- Ethernet 100/1000 BASE-T compliance
- DDR3 and LPDDR3 analysis and debug
- Bode plots

MARCH
- **Spectrum view multi-channel, synchronized spectrum analysis**
- Ethernet NBASE-T and 10GBASE-T compliance
- CAN .DBC v symbolic decoding
- I3C decoding solution

MAY
- **DDR3 automated conformance testing**
- Digital power management option
- Impedance measurements added (5/6-PWR)
- Time-gated measurements

JULY
- **RF vs time (magnitude, frequency, phase)**
- PAM3 measurement
- 1000BASE-T1 decode
- Wide capture bandwidth

OCTOBER
- **LVDS measurements solution**
- Mask testing
- 8b10b decode
- NRZ decode solution

FEBRUARY
- **Inverters, motors and drives analysis (IMDA)**
- Video triggering
- Phase noise plots
- PSI5 decode

APRIL
- **eUSB decode**
- RF vs time triggering
- SVID decode
- MDIO decode

NOVEMBER
- **Multi-scope support added to TekScope**
- MIPI D-PHY 1.2 decode
- SDLC decode solution
- Multi-lane ethernet compliance
- DQ0 measurements

FEBRUARY
- **Application bundles added**
- Vector signal analyisis (SignalVu-PC)
- MIPI C-PHY (CSI/DSI) decode
- Eye mask added to jitter analysis solution

JUNE
- **Multi-gigabit automotive ethernet compliance**
- CurveStream fast transfer via LAN
- eSPI decode
- CXPI decode

SEPTEMBER
- **Custom filters added to user-defined filters**
- EtherCAT decode
- SMBus decode
- Hall sensor measurements added to IMDA

JANUARY
- **TekDrive support added for session files**
- History mode
- Hardware averaging
- Spectrum marker results tables

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6 SERIES MSO
JULY

- First midrange scope with 8 GHz bandwidth and 25 GS/s sample rate simultaneously on all 4 channels
- Incorporates a new low-noise preamplifier ASIC, the TEK061
- Delivers 16-bit resolution at 200 MHz when using the High Res mode

TEKSCOPE PC SOFTWARE WITH ENHANCED MULTI-SCOPE ANALYSIS
JUNE

- Enables remote users to view and analyze data from up to 32 channels from multiple scopes at the same time in the same interface
- Most sophisticated waveform analysis PC software in the test and measurement market

5 SERIES B MSO
JANUARY

- New auxiliary trigger enables sync without consuming a full-capability input channel
- 2x faster waveforms from the built-in function generator for frequency response analysis and general-purpose use
- Solid state drive system stores data on removable drive for added security