TECHNOLOGY #1 : ISMT
(Intelligent Surface Mont Technology)
= SMD components + Intelligent Cellular Approach

DISCRETE COMPONENTS
• Old fashioned components
• Large and heavy
• The legs go through the board, more sensitive to vibrations
• Low efficiency
• Delicate soldering process, more «bad» soldered points

CELLULAR APPROACH
• Enhances the electrical properties
• Minimises inductance and resistance in the circuit
• Larger copper strands where more power is needed
• Each part (cell) is independent
• Minimises radiation and interference between cells
• Better signal to noise ratio
• No wire jumpers
• Components are smaller and have lower values

SMD (Surface Mounted Device)
• Modern components
• Components are smaller and lighter
• Better contact with the board, less sensitive to vibrations
• Larger electrical contact surface
• Higher efficiency
• Less radiation and interference
• Higher power output

TECHNOLOGY #2 : Pure N-Channel Design

PURE N-CHANNEL V-FET FINAL STAGE
• N&P Circuits are using the same type Mosfets
• No variations between the output transistors in the final stage
• Higher efficiency
• Higher linearity, lower distortion
• Shorter signal path
• Better sound quality
• Higher power output

TECHNOLOGY #3 : Adaptive ClassD Technology

This technology changes the power supply switching frequency with increasing output power to avoid interference due to the Class D technology. This setup is the best way to separate the sound from radio interference as much as possible.

TECHNOLOGY #4 : ALDS
(Asymmetrical Linear Drive System) = flat progressive spider + extended pole piece

TECHNOLOGY #5 : SPV
(Spider Plateau Venting)

TECHNOLOGY #6 : CET
(Congruent Edge Technology)

FORCED AIR COOLING OF THE VOICE COIL
Spider Plateau Venting is characterized by vented aluminium grills. These grills surround the voice coil, letting the air pass through the components and keeping the voice coil cool. The air is sucked through these large vents, from all angles, directly onto the voice coil as the cone moves forward. As the cone moves backward, the air is expelled, keeping the voice coil cool. By aiming a large amount of air directly at the voice coil, we create an extremely efficient and effective self-cooling cycle that ensures the woofer can play longer and perform better than subwoofers employing traditional venting techniques.

The extended pole piece also acts as a guide when the cone moves beyond maximum excursion. After an extreme bass note, the voice coil can’t get out of the gap. Your sub is safe!

The Nitrile Butadiene Rubber surround and the gasket are made in one piece. The one piece design of the NBR surround and gasket gives the following advantages:
• The surround will not tear
• Maximum surface to glue the surround to the basket
• At maximum excursion the surround will not deform
• Very flexible surround
• Extremely resistant to the effects of UV rays.
• Looks great
The MTX amplifiers have a huge reputation in the competition lanes. Delivering quality, performance and reliability. This success is based on all the technologies developed by our own R&D department. Like the high efficient Class D technology delivering high power with low current consumption. The solution for today’s power hungry bass systems. In the car we have a very limited power supply (single battery and alternator). MTX was the first to introduce Class D amplification for Bass. Today we have the 6th generation of Class D amplifiers. The R&D department never gives up! Creating higher efficiency and more power. Good for us.

The signal to noise ratio is all about quality construction. More than 120dB is a kind of record, try to find better.


More features than we can list. But some of them are too cool not to mention: 12-24dB/oct high or low pass x-over, EBC port etc, compression circuit, 180° phase switch... (you know). THUNDER DOMINATION!

www.mitekeurope.com - www.mtx.com
MTX has been manufacturing subwoofers for more than 30 years! The technologies used create subwoofers with highest performance and best reliability. More than we can ask for...
The T4500 raises the stake in its class.

**FEATURES**

ALDS: Extended Pole Piece and Flat Progressive Spider for a larger linear excursion and better control over the cone when driven hard (Deep and Loud Bass).

SPV: Forced Air Cooling of the voice coil (Deep and Loud Bass) that continues when your body gives up.

Butyl Suspension

One piece Mica filled Expanded Polypropylene cone with aluminum deposit (extreme strong and light cone with no dustcap).

Double 5-spoke basket designed by MTX based on the rims of a Corvette. High-end spring loaded connection terminals. They rock!
The evolution towards the T5500!
A 2x bigger magnet (1.7x to be exact but still impressive) the size is awesome.
An MTX designed super strong steel basket with oversized SPV windows. The SPV is so large that you can see the voice coil through it! Serious about cooling.
Next to ALDS the T5500 also has a spider with interlaced tinsel leads, no more broken thread leads or leads rattling against the cone due to large excursions!
With the level of design and the Deep Loud and Fast Bass delivery we are taking evolution at the max.
In the enclosure range, you can see the new SledgeHammer boxes. Try the tri-sub enclosure only and you'll stay in your car forever!
A NEW SPECIES OF SUB WOOFERS!
Stop talking subwoofers, start talking SuperWoofers! Bass gets serious...

A super strong MTX designed Die Cast Aluminium basket that screams its LOUD! A 17mm Linear Cone Excursion cone way too more then Triple Total Linear Excursion. Now we start moving air (linear making bass). At this Bass level it is important that all subwoofer technologies are used as well as the spider with interlaced tinsel leads, with 34mm Excursion broken or ratteling leads are Not our friends!

These superwoofers wear the MTX AUDIO logo with pride! The T7500 SledgeHammer enclosures are large slot ported enclosures that take advantage of all the high quality features of these superwoofers. Only to deliver Bone Rattelin' tight BASS!

Enter the world of MTX SuperWoofers! Only for the brave!
At the borderline of imagination.

The T8500 are pushing the actual limits of a subwoofer. In terms of construction, it is high fashion. In terms of performance, they have no one. Serious Monsters! You can’t imagine how loud they can play until you’ll hear them...

These SuperWoofers are using a new X-max (1 way) 22mm. Power handling 1000W/1000W. At the borderline of imagination.

The patented StreetWires connectors are very useful. They accept 4mm² cable with hex screw. Easy for all possible wiring options.

Our SuperWoofers ? A nightmare for our competitors!
<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Impedance</th>
<th>MAX Power</th>
<th>RMS Power</th>
<th>Sensitivity</th>
<th>Xmax</th>
<th>Fs</th>
<th>Magnet</th>
<th>Cooling</th>
<th>Response</th>
<th>Enclosure</th>
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</thead>
<tbody>
<tr>
<td>T9510-04</td>
<td>25 cm</td>
<td>4Ω</td>
<td>1500W</td>
<td>750W</td>
<td>88.9dB</td>
<td>26mm</td>
<td>39.4Hz</td>
<td>5550gr</td>
<td>SPV</td>
<td>423-150Hz</td>
<td>Sealed-vented</td>
</tr>
<tr>
<td>T9510-44</td>
<td>25 cm</td>
<td>2x4Ω</td>
<td>1500W</td>
<td>750W</td>
<td>87.5dB</td>
<td>26mm</td>
<td>41.1Hz</td>
<td>5550gr</td>
<td>SPV</td>
<td>41-150Hz</td>
<td>Sealed-vented</td>
</tr>
<tr>
<td>T9512-04</td>
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<td>4Ω</td>
<td>2000W</td>
<td>1000W</td>
<td>87.4dB</td>
<td>26mm</td>
<td>34.3Hz</td>
<td>7400gr</td>
<td>SPV</td>
<td>34-150Hz</td>
<td>Sealed-vented</td>
</tr>
<tr>
<td>T9512-44</td>
<td>30 cm</td>
<td>2x4Ω</td>
<td>2000W</td>
<td>1000W</td>
<td>91.0dB</td>
<td>26mm</td>
<td>36.4Hz</td>
<td>7400gr</td>
<td>SPV</td>
<td>36-150Hz</td>
<td>Sealed-vented</td>
</tr>
<tr>
<td>T9515-04</td>
<td>38 cm</td>
<td>4Ω</td>
<td>2000W</td>
<td>1000W</td>
<td>90.6dB</td>
<td>26mm</td>
<td>30.6Hz</td>
<td>7400gr</td>
<td>SPV</td>
<td>30-150Hz</td>
<td>Sealed-vented</td>
</tr>
<tr>
<td>T9515-44</td>
<td>38 cm</td>
<td>2x4Ω</td>
<td>2000W</td>
<td>1000W</td>
<td>93.8dB</td>
<td>26mm</td>
<td>31.9Hz</td>
<td>7400gr</td>
<td>SPV</td>
<td>31-150Hz</td>
<td>Sealed-vented</td>
</tr>
</tbody>
</table>

**Features**

- ALDS Technology
- SPV Technology
- CET Technology
- Butyl Suspension
- Polypro/Carbon cone
- Cone in 1 piece
- Sealed Compatible
- Vented Compatible
- Stitched Cone/suspension
- MTX basket
- Aluminium basket
- StreetWires connectors
- X-max (1 way) 26mm

**Power Handling**

- 12/10 A

**A fine line between genius and insanity!**

It’s the most beautiful, the more powerful (2000W), the heavier (28Kg). You need a superlative dictionary to speak about it.

T9500 incorporates 30 years of know-how in subwoofer manufacturing, and all the experience of a 32 engineer team. The X-max reaches 26mm one-way (52 peak to peak; world record). Twice more than all competitors in the game: terrifying! The basket is close to the glorious RFL. The StreetWires patented connectors are even better than the T8500. You're able to connect four 10mm² wires on each terminal.

The SledgeHammer are the best possible enclosures to take full advantage of these SuperWoofers. We tested all the possible configurations. T9500 deserve a SledgeHammer. If you don’t need our boxes, the SLH* dimensions are available.

The T9500 is the most excessive sub under production. Our competitors hate us!
Eric Cottin (France)  
SS3-4 : 163.6dB (3/03)  
2 records in 2003

SSS-5 : 157.5dB (10/03)  
1 record in 2003

Nico Vero  
ProStyling (France)  
StreetB : 153.0dB (11/03)  
7 records in 2003

David Lorion (France)  
SS1-2 : 157.5dB (10/03)  
1 record in 2003

Jessy Lancon (France)  
SS5+ : 157.0dB (11/03)  
2003 French Champion

Nicolas Humblot (France)  
SSNW1-2 : 155.0dB (11/03)  
2003 French Champion  
European Vice Champion

Sandro & Fabien  
ProStyling (France)  
EXT1 : 162.7dB (11/03)  
2003 French Champion  
European Vice Champion

MTX Thunder Force  
Team Russia  
EXT2 : 170.9dB  
2003 Russia Champion

MTX Thunder Force  
Team Russia  
EXT3-4  
Multiple Records holder

Juan Llanos (Spain)  
IASCA competitors

Electrobazar Mostoles (Spain)  
2003 Benelux Vice Champion

Spencer Show car

Bast Car Tuning & Limousine (Netherland)  
SS3-4 : 161.3dB  
2003 Benelux Champion

Maurits van Aken  
(Netherland)  
SS5+ : 155.7dB  
2003 Benelux Champion

Bart Car Audio Leuven  
(Belgium)  
SS1-2 : 158.1dB  
2003 Benelux Vice Champion

MTX Thunder Force  
Team Russia  
EXT3-4  
2003 Russia Champion

French-Thunder Force team

MTX Thunder Force  
Team Russia  
EXT3-4  
2003 Russia Champion

MTX Thunder Force  
Team Russia  
EXT3-4  
2003 Russia Champion

Spanish Show car