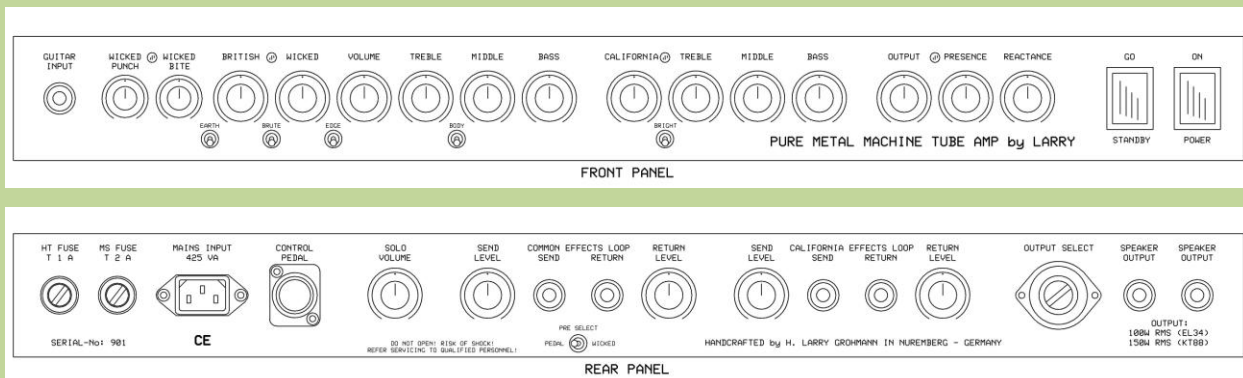


# PURE METAL MACHINE TUBE AMP by LARRY



The **PURE METAL MACHINE** is a two-channel tube amp with three sounds available on the floor. This amp is based on my legendary **DINO amp**, which has been introduced as the model 802 back in 1992 and has been revised countless times with the current model 939 being available since 1997. Since 2015, rev. 2.8 is available, where the most famous user being Jon Schaffer of ICED EARTH.

At first glance, the **PURE METAL MACHINE** may look like a stripped down version of the DINO 939 – but don't be mistaken, this is not the case at all.

Of course, I've included the DINO's chimey and sweet sparkling **CALIFORNIA** clean channel as well as the **BRITISH** crunch channel, which basically is a traditional, slightly hot rodded British sound, being very useful for playing in the vein of AC/DC, Van Halen and other classic rock acts. But when engaging the voicing switches dubbed **EARTH & BRUTE** the fairly traditional tone will change to a merciless and bone crushing heavy crunch sound, which appropriately rather has being named **CRUSH** sound.

Like with my DINO amp, changing the nature of the **BRITISH** channel from crunch mode to the brute & staggering **Hotrod** mode can be achieved by a single step on the foot controller. This tone is also known as **The Jon Schaffer Sound** and can be heard in some slightly different shapes on all **ICED EARTH** albums recorded since 1995.

**Hotrod** mode does not only significantly increase gain but it simultaneously activates the two-band pre-shape filter with its **BITE & PUNCH** controls. These two knobs are the key to shape the tone with the right amount of tightness in the low end and aggressiveness in the upper mids and highs making it easy to fine tune the amp to your personal taste and needs.

You probably won't need more, but if you like your amp to eat all other metal amps out there for breakfast, you simply have to engage the **BODY & EDGE** switches in order to add still remarkable more punching low mid and/or currish high mid frequencies to the tone.

But wait, there's still more: I haven't mentioned the **WICKED** control yet, which is neither an additional gain control nor any kind of tone control at all but rather what I'd name an ingenious "character control". This knob being active only in the **Hotrod** mode of the **BRITISH** channel enables you to achieve a scooped, skinny and super tight rhythm tone, the well-known JS voice (with the control set to 5), a tone in the vein of DINO's **SCREAM** channel or a sustaining and very mid focussed solo tone and anything in between.

Stepping on the foot controller one more time engages the **SOLO VOLUME** control, which is basically an extra master volume that is very useful for getting you solos heard by the audience without having to rely on your sound engineer.

The amp comes with 2 FX loops, each w/ **SEND & RETURN** level controls. While the 1<sup>st</sup> loop is only active when the **CALIFORNIA** channel is engaged, the 2<sup>nd</sup> one is a common FX loop and can be switched on/off via the foot controller with the FS mode switch set to **PEDAL**.

But as soon as this switch is set to **WICKED**, this FX loop is permanently on but only when the **BRITISH Hotrod** channel is active. The idea behind this was to have your dedicated FX for the Clean channel, play the Rhythm channel bone dry and use your favorite FX devices providing ambience for solo breaks when engaging the lead (**BRITISH Hotrod**) channel.

Last but not least, I've decided to give you the opportunity of effortlessly swapping power amp tubes in an instant. Hence, the amp comes with switchable dual bias, enabling you to decide literally minutes before sound check or in the studio, which power tubes you are going to use. Simply swap the EL34's with KT88's or 6550's, flip the switch to the other pre adjusted bias section and you're done without having to get your amp tech involved.

I've named this amplifier **PURE METAL MACHINE**, because my goal has been to design and build the utmost and most convincingly sounding metal amp without making any compromises whatsoever. After having completed the first amps I honestly can say that the result even surpasses my personal expectations. Even better, it quickly became evident that you can use this amplifier not only for its intended purpose (i.e. playing metal) but for obtaining almost any type of rock tone popular in the late 70s, the 80s or 90s!

It sounds fairly unrealistic but the PURE METAL MACHINE indeed delivers more diversity in sound as my current DINO models with the only exception being the absence of some kind of tone similar to the DINO's SRV/TEXAS mode.

The technology used inside the PURE METAL MACHINE is the same as in the DINO amps, meaning that it is built on sturdy eyelet boards and painstakingly PTP hand wired using the same component brands and the same transformers. And of course this amp is also built on the same category of rugged stainless steel chassis.

The amp is supplied with a set of six TungSol reissue 12AX7A preamp tubes and a matched quad of high quality EL34 power tubes of current production, that are painstakingly selected for flawless performance. Optionally, the amp can be supplied with **NOS Tungstram ECC83** preamp tubes and a matched quad of **NOS RFT EL34** power tubes. An additional matched quad of 6550's of current production or a matched quad of **NOS Svetlana =©= 6550's** of 2001 will be included on request (see prices for these options below).

#### Technical features of the PURE METAL MACHINE TUBE AMP:

- stainless steel chassis w/ 3/32" thickness, laser cut, welded corners, surface brushed
- all mounting components (screws, nuts, washers, etc.) are made of stainless steel
- NOS MIL-specs preamp tube sockets w/shielding flange (made in 1962 for the US military)
- NOS LCR electrolytic can caps from the early 90s, longtime formed before amp is fired up
- brushed front & back panels made of stainless steel w/ laser printing
- Power & Output Transformers UK custom made, laminations of NOS steel from the 80s
- transformers' and choke's end bells are shiny nickel plated
- circuit built up on sturdy eyelet fiber boards and completely PTP hand wired
- FX loop w/ SEND LEVEL, FX SEND, FX RETURN, RETURN LEVEL for CALIFORNIA channel
- common FX loop w/ SEND LEVEL, FX SEND, FX RETURN, RETURN LEVEL
- impedance selector rotary switch (4-8-16 ohms) on the back panel
- voltage selector switch (120/230 volts wall voltage) on top of the chassis behind the PT
- additional PT primaries for wall voltages of 100, 220 & 240 volts (inside the chassis)
- 4-button foot controller for: CALIFORNIA/BRITISH & BRITISH/WICKED; SOLO VOLUME; FX loop on/off (incl. 21 ft. connector cable w/ 5-pole XLR connectors)

#### **Prices:**

Basic price PURE METAL MACHINE TUBE AMP by LARRY	€ by request
supplied w/ NOS Tungstram ECC83 preamp tubes (6) selected	€ by request
supplied w/ NOS RFT EL34 power tubes (matched quad)	€ by request
additional matched quad of Sovtek 6550's*	€ by request
additional matched quad of NOS Svetlana =©= 6550's*	€ by request

(\*) the 2<sup>nd</sup> bias section of the amp will be adjusted for the attached quad of 6550's