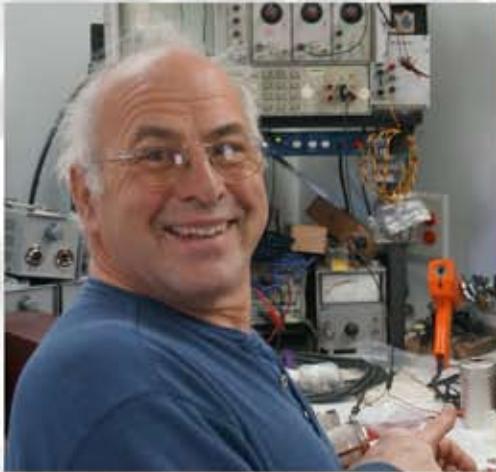


Peluso



Peluso Microphone Lab



John Peluso, after decades of vintage microphone repair, in 2002 began producing a line of new microphones dedicated the memory of some of the finest microphones ever made. He recreated the original sound of these microphones, at a price which makes them accessible to recording studios of all levels. Peluso is dedicated to durable build quality, hand assembly, and the best possible sound quality. John has improved on noise floor, SPL, and RF rejection by using the highest quality components currently available. True to his inspiration, he has never swapped out FETs for tubes, or transistors for transformers. Today with 16 microphone models in current production Peluso Microphone Lab continues to bring vintage sound to new life in studios all around the world!

PELUSO MICROPHONES:



PS-1
Handheld
LDC stage
mic



22 47 LE
LDC mic
with vintage
steel tube



22 47 SE
LDC mic
with modern
steel tube



22 47
LDC mic
with modern
glass tube



P-49
LDC mic with
miniature
triode glass
tube



P-67
LDC mic with
glass tube,
pad and
roll-off switch



P-87
Solid state
LDC mic with
pad, pattern
& roll-off
switching



P-414
Solid state
LDC mic with
pad, pattern &
roll-off
switching



P-12
LDC mic
with glass
tube



22 251
LDC mic
with glass
tube



CEMC-6
Solid state
SDC mic with
pad & roll-off
switching



P-84
Solid state
SDC mic with
pad & roll-off
switching



P-28
SDC mic with
miniature
triode glass
tube



TR 14
Large geometry
active ribbon mic
with miniature
triode glass tube



R 14
Large geometry
passive ribbon
microphone



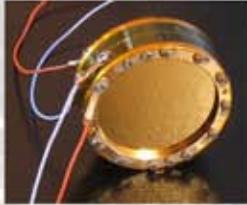
SR 14
Stereo large
geometry
passive ribbon
microphone





bringing vintage sound to new life

INSIDE PELUSO MICROPHONES:



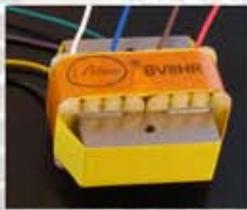
Capsules

We use a special vacuum deposition process to adhere a precision layer of gold to our Mylar films. These films are stretched over brass rings, and then attached to custom-milled solid brass backplates. Precise tolerances, drilling patterns, labyrinth design and venting are critical to the capsule's performance. All of our designs are true to historical references and constructed with the greatest care and attention to detail.



Vacuum Tubes or 'Valves'

Vacuum tubes provide the warmth and character at the heart of vintage condenser microphones. With the economy and convenience of transistor technology, vacuum tube use in microphones lost popularity for many manufacturers; but artists and engineers still want the warmth and character of sound these tubes can offer. We carefully select and test each tube to prove its quality for microphone use, and guarantee them for three years to ensure lasting quality.



Transformers

A high-quality output transformer works to provide a 'balanced' output signal. This allows the audio signal to reject any noise that may be picked up along the cable. Robust transformers provide a very high signal-to-noise ratio and a high overload threshold. Our transformers are custom-made for each microphone model to exacting standards.



Cables

Peluso microphone cables are custom-made to the highest standards with 100% oxygen-free conductors. Double Reussen shielding with two layers of complete coverage copper wire at 90° ensures the best possible RF rejection. Ultra-flexible cable jacketing makes our cables supple and easy to handle. Our tube condenser models are provided with heavy-duty screw-on 8-pin connectors with large-diameter pins to provide a secure cable connection designed to perform over a lifetime of use.



Circuit Boards

John personally designs each circuit to be simple and elegant. We use only the best possible modern components available to ensure quality, high performance & longevity. We have our boards professionally produced to the highest quality specifications. We personally hand-assemble and solder every board, ensuring that each component value is exact and every solder joint is free from defects. With a hand-assembled through-hole board, your microphone will remain serviceable for a lifetime!



Accessories & Restorations

Please visit our web site for more information on the accessories and services we offer. We have a wide range of parts and accessories to use with microphones, in restorations, or to create your do-it-yourself projects. We also offer complete repair and restoration services for many vintage microphone models. If you have questions about your vintage or Peluso microphone, just give us a call. We are always happy to help with any microphone questions.





PELUSO STAGE ONE 'PS-1'

Handheld Large Diaphragm Condenser Stage Microphone

bringing vintage sound to new life

The Peluso Stage One, or PS-1, brings Peluso large diaphragm condenser microphone technology to the stage. Delivering detailed clarity with the warm tone that you expect from a studio condenser. The PS-1 provides very high gain while delivering the feedback rejection required in a live environment. The capsule is internally shock mounted with dual silicone disks eliminating handling noise. A rugged metal head basket with internal foam windscreen protects against pops and moisture. An 18 dB pad switch will match the gain to familiar dynamic microphones, accommodating more powerful sources. A high pass filter switch reduces rumbles and a low pass filter switch reduces wind and other high frequency noise. Whether you are playing in a club, a theater, an arena, or at a festival, with live monitors or in-ear, the PS-1 will bring exceptional tone and clarity to your on-stage performance!

Features of the PS-1:

True large diaphragm capsule
Super cardioid polar pattern
Internally shock mounted
Three sound attenuation switches:
 18 dB pad
 High pass filter
 Low pass filter
Standard 3-pin XLR connector
Designed, engineered, & hand built in Virginia
Custom transformer output
Metal mesh grille with internal foam wind screen
Heavy-duty cast body

Applications:

There are countless uses for any LDC stage microphone. Our clients report the following as a few of their favorites:

- Lead vocals
- Backing vocals
- Instrument microphone
- Drums
- Amplifiers

How will you use the PS-1?

Technical Data:

Capsule: 1" condenser pressure gradient edge-terminated
Frequency range: 20Hz-20Khz
Polar patterns: Super-cardioid
Sensitivity: 10 mv/pa
Impedance: 200 ohms
SPL: 145 dB
Equivalent Noise: 18 dB(A)
Power Requirements: Phantom power 48v
Size: 48mm x 203mm
Weight: 418g

Microphone Kit Includes:

PS-1 microphone
Hard stand mount
Zipper bag



18 dB Pad

High Pass Filter

Low Pass Filter

Background image courtesy of Elephant Revival
Photo: Lisa Siciliano, Dog Daze Photo

Peluso Microphone Lab, LLC



PELUSO P-280

Large Diaphragm Condenser Vacuum Tube Microphone

bringing vintage sound to new life

The P-280 delivers an ultra-high resolution signal, crystal clear low noise-floor and vacuum tube warmth. The perfect combination for today's demanding recording environments. The P-280 employs our unique tube/FET combination amplifier stage to achieve the quietest noise-floor we've ever encountered in a tube microphone. The miniature pentode tube keeps the circuit's signal warm and pleasing, never brittle or strident. The even frequency response, crisp detail, and dead quiet noise floor bring astonishing results from almost any source. It has an assertive gain level, and easily handles very high SPL sources. A balanced output achieved through a generously sized output transformer. We used our rugged and reliable screw-on 8-pin cable connector. The body and head grille are machined brass with a sleek black finish. The new Peluso P-280, a new standard for today's widely diverse signal chains.

Features of the P-280:

- Center-terminated large diaphragm capsule
- Dual back-plate three wire capsule
- Ultra high resolution
- Crystal clear low noise-floor
- Vintage glass EF pentode vacuum tube
- Unique Peluso FET-tube combination amplifier
- Heavy-duty 8-pin screw-on connector
- Designed, engineered, and built in Virginia
- Custom transformer output
- All metal double-mesh head grille

Technical Data:

- Capsule: 34mm condenser pressure gradient
- Frequency range: 20Hz/20Khz
- Polar patterns: 9 - Switchable from omni- to bi-directional
- Sensitivity: 27 mv/pa
- Impedance: 200 ohms
- SPL: 149 dB
- Equivalent Noise: 6 dB(A)
- Tube Type: 5654W / EF95
- Power Requirements: Dedicated power supply, 115V or 230V AC
- Size: 51mm x 205mm
- Weight: 640 g

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!

Applications:

There are countless uses for any LDC microphone. Our clients report the following as a few of their favorites:

- Male and female vocals
- Acoustic guitar
- Guitar amp
- Bass
- Drums
- Horns

How will you use your P-280 mic?

Microphone Kit Includes:

- P-280 microphone in a wood box
- 8-pin microphone cable
- Power supply
- Shock mount and hard mount
- Locking flight case



Peluso Microphone Lab, LLC

Background image courtesy of Molly Tuttle & Rick Krajnyak



PELUSO P-47 SS

Solid State Large Diaphragm Condenser Microphone Kit

bringing vintage sound to new life

The Peluso P-47 SS is a large diaphragm condenser microphone styled after the legendary Neumann U 47. The solid-state gain stage replaces the steel vacuum tube with a FET, providing a much lower noise floor and a cleaner sound overall. The P-47 SS's wide dynamic range is as capable of capturing subtle intricate detail as it is a crisp loud kick drum. It handles transients with a very quick and detailed capture, excellent for guitar and vocal work. This classic single back plate dual-diaphragm condenser capsule provides a unique bell-shaped proximity effect. This can provide a low-end enhancement excellent for broadcast vocals. The on-board 75dB pad will temper this proximity effect when not desired. The Peluso P-47 SS is a rich detailed microphone with lots of character that will be a welcome addition to your microphone locker.

Features of the P-47 SS:

Center-terminated large diaphragm capsule
Dual-sided capsule for polar pattern variability
FET Gain Stage
75Hz roll-off filter switch and
-10dB, and -20dB pad switched on the mic body
Standard 3-pin XLR connector
Designed, engineered, & hand built in Virginia
Custom Transformer output
All metal double-mesh head grille
Heavy-duty brass body
Available in stereo matched pairs

Applications:

There are countless uses for any LDC microphone. Our clients report the following as a few of their favorites:

- ◆Kick drum
- ◆Percussion
- ◆Brass
- ◆Upright bass
- ◆Vocals
- ◆Amplifiers

How will you use your P-47 SS mic?

Technical Data:

Capsule: 34mm condenser pressure gradient
Frequency range: 20Hz/22Khz
Polar pattern: 3 - Switchable from omni,
bi-directional, and cardioid
Sensitivity: 12.5 mv/pa
Impedance: 200 ohms
SPL: 164 dB w/20dB
Equivalent noise: 9 dB(A)
Power requirements: Phantom -48v +/- 4v
Current Consumption <4.0 MA
Size: 59.5mm x 196mm
Weight: 602 g

Microphone Kit Includes:

P-47 SS microphone
Velvet mic bag
Shock mount
Hard mount
Locking flight case



Three Polar Patterns



10/20 dB Pad

High Pass Filter

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!

Peluso Microphone Lab, LLC

Background image courtesy of Siegfried Meier



PELUSO 22 47 LE

'Limited Edition' Large Diaphragm Condenser Tube Microphone Kit

bringing vintage sound to new life

The Peluso 22 47 Limited Edition is styled after the legendary Neumann U 47. Manufactured in the 1950s and 1960s, the revolutionary sensitivity of the U 47 brought extraordinary detail to recorded sound. Remembered for its use by artists from Frank Sinatra to the Beatles, it is perhaps the most well known microphone of all time. This mic is an excellent choice for a wide range of applications, from rock drums and guitar amps, to brass instruments and vocals. The LE is built with the highest quality modern components and designed to perform as the U 47 did when it was new. The U 47 was designed around its Telefunken steel-covered tube, and the LE employs a true vintage German 'EF' style steel tube manufactured between the 1940s and the 1960s. The 22 47 LE brings all the subtlety of tone, detail, and character of a vintage U 47, combined with the reliability and quiet noise floor required in the modern recording environment.

Features of the 22 47 LE:

Center-terminated large diaphragm capsule
Dual-sided capsule for polar pattern variability
Vintage German 'EF' steel tube
Heavy-duty 8-pin screw-on connector
Designed, engineered, & hand built in Virginia
Custom transformer output
All metal double-mesh head grille
Heavy-duty brass body
Available in stereo matched pairs

Technical Data:

Capsule: 34mm condenser pressure gradient
Frequency range: 20Hz/22Khz
Polar pattern: 9 - Switchable from omni-
to bi-directional
Sensitivity: 12 mv/pa
Impedance: 200 ohms
SPL: 140 dB
Equivalent noise: 16 dB(A)
Tube type: EF Stahlröhren (steel tube)
Power requirements: Dedicated power supply,
115V or 230V AC
Size: 59.5mm x 235mm
Weight: 855 g

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!

Applications:

There are countless uses for any LDC microphone. Our clients report the following as a few of their favorites:

- Male vocals
 - Female vocals
 - Acoustic instruments
 - Mandolin
 - Guitars & guitar amps
 - Tenor saxophone
 - Glyn Johns-style drum overheads
- How will you use your 22 47 LE mic?

Microphone Kit Includes:

22 47 LE microphone in a wood box
Power supply
8-pin microphone cable
Shock mount
Locking flight case



Peluso Microphone Lab, LLC

Background image courtesy of Jerod Jacobs



PELUSO 22 47 SE

'Standard Edition' Large Diaphragm Condenser Tube Microphone Kit

bringing vintage sound to new life

The Peluso 22 47 Standard Edition is styled after the legendary Neumann U 47. Manufactured in the 1950s and 1960s, the revolutionary sensitivity of the U 47 brought extraordinary detail to recorded sound. Remembered for its use by artists from Frank Sinatra to the Beatles, it is perhaps the most well known microphone of all time. This mic is an excellent choice for a wide range of applications, from rock drums and guitar amps, to brass instruments and vocals. The SE is built with the highest quality modern components and designed to perform as the U 47 did when it was new. The U 47 was designed around its Telefunken steel-covered tube, and the SE employs the steel 6SJ7 tube, a modern sonic equivalent to the vintage VF14. The 22 47 SE brings all of the subtlety of tone, detail, and character of a vintage U 47 combined with the reliability and quiet noise floor required in the modern recording environment.

Features of the 22 47 SE:

- Center-terminated large diaphragm capsule
- Dual sided capsule for polar pattern variability
- Vintage-style steel tube
- Heavy-duty 8-pin screw-on connector
- Designed, engineered, & hand built in Virginia
- Custom Transformer output
- All metal double-mesh head grille
- Heavy-duty brass body
- Available in stereo matched pairs

Applications:

There are countless uses for any LDC microphone. Our clients report the following as a few of their favorites:

- Male vocals - Jim Heath
- Male & female vocals, acoustic guitar, cello - Daniel Rodriguez
- Glyn Johns-style drum overheads, toms & cymbals - Brian Ahern
- Live vocal - Howie Lindeman
- Vocals & instruments - Markus Dravs
- Piano, cello, saxophone, acoustic guitar

How will you use your 22 47 SE mic?

Technical Data:

- Capsule: 34mm condenser pressure gradient
- Frequency range: 20Hz/22Khz
- Polar pattern: 9 - Switchable from omni- to bi-directional
- Sensitivity: 12 mv/pa
- Impedance: 200 ohms
- SPL: 140 dB
- Equivalent noise: 14 dB(A)
- Tube type: 5693/6SJ7
- Power requirements: Dedicated power supply, 115V or 230V AC
- Size: 59.5mm x 235mm
- Weight: 855 g

Microphone Kit Includes:

- 22 47 SE microphone in a wood box
- Power supply
- 8-pin microphone cable
- Shock mount
- Locking flight case

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!



Peluso Microphone Lab, LLC

Background image courtesy of Jim Heath



PELUSO 22 47

Large Diaphragm Condenser Tube Microphone Kit

bringing vintage sound to new life

The Peluso 22 47 is a large diaphragm condenser microphone styled after the legendary Neumann U 47. German radio engineers in the 1970s needed to lower the noise floor of their trusted U 47 microphones to conform to broadcast standards of the day. To achieve this, the microphones were re-wired to employ the new glass 6072A tube. The Peluso 22 47 uses this glass triode tube to achieve its high gain and low noise floor. The capsule, components and transformer are the same as those found in our steel tube 22 47 models. While many seek out the musical second harmonic content found in the steel tube mic, others prefer the cleaner and slightly quieter quality of the glass 6072A tube found in this 22 47 (short-body) model. Whichever 22 47 microphone you select you will find incredible detail coupled with the smooth warmth the '47 name is known for.

Features of the 22 47:

- Center-terminated large diaphragm capsule
- Dual-sided capsule for polar pattern variability
- Glass triode tube
- Heavy-duty 8-pin screw-on connector
- Designed, engineered, & hand built in Virginia
- Custom Transformer output
- All metal double-mesh head grille
- Heavy-duty brass body
- Available in stereo matched pairs

Applications:

There are countless uses for any LDC microphone. Our clients report the following as a few of their favorites:

- Male vocals
- Female vocals
- Broadcast & voiceover
- Stringed instruments
- Amplifiers

How will you use your 22 47 mic?

Technical Data:

- Capsule: 34mm condenser pressure gradient
- Frequency range: 20Hz/22Khz
- Polar pattern: 9 - Switchable from omni- to bi-directional
- Sensitivity: 12 mv/pa
- Impedance: 200 ohms
- SPL: 140 dB
- Equivalent noise: 12 dB(A)
- Tube type: CE-6072A glass triode
- Power requirements: dedicated power supply, 115V or 230V AC
- Size: 59.5mm x 196mm
- Weight: 775 g

Microphone Kit Includes:

- 22 47 microphone in a wood box
- Power supply
- 8-pin microphone cable
- Shock mount
- Locking flight case



Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!

Peluso Microphone Lab, LLC

Background image courtesy of Siegfried Meier



PELUSO P-49

Large Diaphragm Condenser Tube Microphone Kit

bringing vintage sound to new life

The Peluso P-49 recreates all of the features that brought the vintage M 49 the richness and high-end smoothness it is known for. Produced from 1949 to 1974, the M 49 is best known for its use on Miles Davis' trumpet and vocalists Simon and Garfunkel, and Barbara Streisand. The M 49 was the first condenser microphone capable of remote pattern control, and of course our P-49 has a remote indexed 9-pattern selector. The unique slanted relationship of the head grille to the capsule reduces grille resonances. The miniature triode tube's design is particularly well suited for microphone use, with long life, low current consumption, and high input impedance. Despite the high cost and complexity of developing the right output transformer, this is the final crucial step in achieving the vintage '49 tonal quality. The P-49 makes a superb vocal mic. With mid-range detail and unique high-end smoothness, the P-49 brings saturated warmth to vocals, violin, or drums.

Features of the P-49:

- Center-terminated large diaphragm capsule
- Dual-sided K49 style single back plate capsule for polar pattern variability
- Mini glass triode tube
- Heavy-duty 8-pin screw-on connector
- Designed, engineered, & hand built in Virginia
- Custom BV-11 style transformer output
- All metal double-mesh head grille
- Heavy-duty brass body
- Available in stereo matched pairs

Applications:

- There are countless uses for any LDC microphone. Our clients report the following as a few of their favorites:
- Male & female vocals & voiceover
 - Violin
 - Cello
 - Guitar & guitar amp
 - Banjo
 - Drum: overheads, toms & snares
- How will you use your P-49 mic?

Technical Data:

- Capsule: 34mm condenser pressure gradient K-47 style capsule
- Frequency range: 20Hz/20Khz
- Polar pattern: 9 - Switchable from omni- to bi-directional
- Sensitivity: 15 mv/pa
- Impedance: 200 ohms
- SPL: 147 dB
- Equivalent noise: 14 dB(A)
- Tube type: 5744WB
- Power requirements: Dedicated power supply, 115V or 230V AC
- Size: 59.5mm x 196mm
- Weight: 775 g

Microphone Kit Includes:

- P-49 microphone in a wood box
- Power supply
- 8-pin microphone cable
- Shock mount
- Locking flight case

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!



Peluso Microphone Lab, LLC

Background image courtesy of Jon Langford
Photo: Dan Rugh, Yellow Couch Studio



PELUSO P-67

Large Diaphragm Condenser Vacuum Tube Microphone

bringing vintage sound to new life

In 1960, the U 67 sought to deliver smoother highs, a solid bass and a rich detailed mid-range while introducing some new technical advances. Proximity effect is the low-end boost created when a vocalist gets very close to a microphone. It can have a very powerful effect, but can leave the bottom end muddy and boomy. To handle this, the '67 introduced a low-end roll-off switch. For very loud sources like drums or certain guitar amps, a -10 dB pad switch was also introduced. Though the much-loved steel body VF14 tube of the U 47 had been discontinued, a lower noise floor was now possible with the new glass pentode tube. A more accurate figure-eight polar pattern was also now possible thanks to the development of the double back plate K67 capsule. Manufactured from 1960 to 1971 the U 67 was the versatile workhorse of professional recording studios of the time. The P-67 is a faithful tribute to this treasured microphone.

Features of the P-67:

- Center-terminated large diaphragm capsule
- Dual-sided capsule for polar pattern variability
- Vintage glass EF pentode vacuum tube
- Heavy-duty 8-pin screw-on connector
- Designed, engineered, & hand built in Virginia
- Custom transformer output
- Low frequency roll-off switch on microphone body
- 10 dB pad switch on microphone body
- All metal double-mesh head grille
- Heavy-duty brass body
- Available in stereo matched pairs

Applications:

There are countless uses for any LDC microphone. Our clients report the following as a few of their favorites:

- Male and female vocals
 - Male vocals - Gary US Bonds
 - Upright acoustic bass & guitar amp
- Jim Heath (Rev. Horton Heat)
 - Guitar amp - Steve Stevens
 - Blues guitar amp - Matt Schofield
 - Drums - Jack Douglas & Aerosmith
- How will you use your P-67 mic?

Technical Data:

- Capsule: 34mm condenser pressure gradient
- Frequency range: 20Hz/20Khz
- Polar patterns: 9 - Switchable from omni- to bi-directional
- Sensitivity: 18 mv/pa
- Impedance: 200 ohms
- SPL: 148 dB with -10 dB pad engaged
- Equivalent Noise: 14 dB(A)
- Tube Type: EF95 (6AK5, 6J1, 5654)
- Power Requirements: Dedicated power supply, 115V or 230V AC
- Size: 56mm x 205mm
- Weight: 600 g

Microphone Kit Includes:

- P-67 microphone in a wood box
- 8-pin microphone cable
- Power supply
- Shock mount
- Locking flight case

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!



Peluso Microphone Lab, LLC

Background image courtesy of Steve Stevens



PELUSO P-87

Solid State Large Diaphragm Condenser Microphone Kit

bringing vintage sound to new life

The P-87 is styled after the legendary 1970s Neumann U87i. Versatile and reliable with warm well-balanced character, the '87 is perfect for a wide range of recording applications. In the 1960s as Neumann began employing phantom power and FET transistors in place of vacuum tube circuits, they released the U 87i. The P-87 captures the sound and magic of this, perhaps the most popular microphone ever made. The P-87 comes with three on-board polar patterns, -10 dB pad, and high pass filter switches. We achieve balanced output with a generously sized output transformer, eliminating interference and distortion. This is a faithful tribute to the cornerstone of any well equipped studio microphone locker.

Features of the P-87:

- Center-terminated large diaphragm capsule
- Standard 3-pin XLR connector
- Designed, engineered, & hand built in Virginia
- Solid-state electronics
- Custom transformer output
- Three polar patterns switched on mic body
- High pass filter switch and
- 10 dB pad switched on the mic body
- All metal double-mesh head grille
- Heavy-duty brass body
- 3-year warranty
- Available in stereo matched pairs

Technical Data:

- Capsule: 34mm condenser pressure gradient
- Frequency range: 20Hz/20Khz
- Polar pattern: Cardioid, omni, figure of 8
- Sensitivity: 10 mv/pa
- Impedance: 200 ohms
- SPL: 152 dB w/ pad
- Equivalent noise: 14 dB(A)
- Power requirements: Phantom - 48v +/- 4v
- Current consumption: < 4.0 MA
- Size: 56mm x 228mm
- Weight: 584 g

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!

Applications:

There are countless uses for any LDC Stage microphone. Our clients report the following as a few of their favorites:

- Male & female vocals
- Acoustic guitar
- Piano
- Drums: overhead, front & toms
- Woodwinds
- Amplifiers

How will you use the P-87?

Microphone Kit Includes:

- P-87 microphone
- Velvet mic bag
- Shock mount
- Hard mount
- Foam wind screen
- Locking flight case



Peluso Microphone Lab, LLC

Background image courtesy of Enion Pelta-Tiller



PELUSO P-414

Solid State Large Diaphragm Condenser Microphone Kit

bringing vintage sound to new life

We have a deep respect for AKG and the microphone innovations they have pioneered. As tubes were widely replaced by transistors in the 1970s, the 414 replaced the C 12. Looking over the long and complicated lineage of the 414, we wanted to reproduce what has been most loved about this fabled classic. We drew heavily from the 1976 EB version with the original CK12-style brass capsule. This brass dual-backplate edge-terminated 34mm capsule gave AKG microphones the detailed mid-range and shimmering high-end air they are most loved for. Four polar patterns gave it additional versatility. The highest quality modern components ensure a very low self-noise, essential in a modern microphone. We achieve our balanced output with a generously sized transformer, eliminating interference and distortion. When it came to the design of the body and head grille we knew durability was of paramount importance. We crafted our head grille, body and stem with heavy brass and steel for maximum durability. This microphone is just as much at home in front of a passionate vocalist as it is a heavy metal drum kit. The Peluso P-414 is truly bringing the very best aspects of vintage sound to new life.

Features of the P-414:

Edge-terminated large diaphragm brass capsule
Standard 3-pin XLR connector
Designed, engineered, & hand built in Virginia
Custom transformer output
Four polar patterns switched on mid body
High pass filter switch and
-10 dB pad switched on the mic body
All metal double-mesh head grille
Heavy-duty brass body

Technical Data:

Capsule: 34mm condenser pressure gradient
Frequency range: 20Hz/20Khz
Polar pattern: Hyper-cardioid, cardioid, omni, figure of 8
Sensitivity: 12 mv/pa
Impedance: 200 ohms
SPL: 162 dB w/20 dB pad
Equivalent noise: 12 dB(A)
Power requirements: Phantom - 48v +/- 4v
Current consumption: < 4.0 MA
Size: 114/188mm H x 51mm W x 38mm D
Weight: 490g

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!

Applications:

There are countless uses for any LDC Stage microphone. Our clients report the following as a few of their favorites:

- Male & female vocals
- Acoustic guitar
- Piano
- Drums: overhead, front & toms
- Amplifiers

How will you use the P-414?

Microphone Kit Includes:

P-414 microphone
Velvet mic bag
Shock mount
Locking flight case



Four Polar Patterns

10/20 dB Pad High Pass Filter

Background image courtesy of Luke Enyeart
Photo: Beehive Production

Peluso Microphone Lab, LLC



PELUSO P-12

Large Diaphragm Condenser Vacuum Tube Microphone

bringing vintage sound to new life

The Peluso P-12 Tube Microphone is styled after AKG's legendary C 12. Produced from 1953 to 1963, the C 12 is considered one of history's finest microphones. It was one of the first condenser microphones to provide remote switching between nine polar patterns. The dual blackplate of the 34mm edge-terminated CK12 (CEK12) capsule enabled this advancement. The heart of its amplifier stage is the warm and quiet 6072A glass triode vacuum tube. The amplifier circuitry and output transformer of our P-12 have been designed to match the vintage C 12. Carefully selected components, thorough testing, and attention to detail all come together in this beautiful full-bodied classic tube microphone. The P-12 faithfully reproduces the clarity, openness, and top-end air that made the C 12 one of the world's finest vocal microphones!

Features of the P-12:

Edge-terminated large diaphragm capsule
Dual sided capsule for polar pattern variability
Glass triode vacuum tube
Heavy-duty 8-pin screw-on connector
Designed, engineered, & hand built in Virginia
Custom transformer output
All metal double-mesh head grille
Heavy-duty brass body
Available in stereo matched pairs

Applications:

There are countless uses for any LDC microphone. Our clients report the following as a few of their favorites:

- Acoustic guitar - Rodney Crowell
 - Male & female vocals & voiceover
 - Choir & backing vocals
 - Spot mic for orchestra soloist
 - Stringed instruments
 - Acoustic grand piano
 - Hammered dulcimer - Joshua Messick
- How will you use your P-12 mic?

Technical Data:

Capsule: 34mm condenser pressure gradient
Frequency range: 20Hz/24Khz
Polar patterns: 9 - Switchable from omni-
to bi-directional
Sensitivity: 11 mv/pa
Impedance: 200 ohms
SPL: 143 dB
Equivalent Noise: 14 dB(A)
Tube type: 6072A-M
Power requirements: Dedicated power supply,
115V or 230V AC
Size: 45mm x 240mm
Weight: 750g

Microphone Kit Includes:

P-12 microphone in a wood box
8-pin microphone cable
Power supply
Shock mount
Locking flight case

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!



Peluso Microphone Lab, LLC

Background image courtesy of Emmylou Harris & Rodney Crowell and Brian Ahern



PELUSO 22 251

Large Diaphragm Condenser Vacuum Tube Microphone

bringing vintage sound to new life

The Peluso 22 251 Tube Microphone is styled after the legendary vintage ELA M 251. Produced for Telefunken GmbH by AKG from 1960 to 1965, the ELA M 251 remains one of the rarest and most coveted of vintage microphones. While the 251 did not evolve very far from the C 12, there are a few key differences. They both employ a double-sided 34mm dual-backplate, edge-terminated gold-coated Mylar capsule and a 6072A glass triode tube. They both employ the T/14 output transformer. The circuitry differs in the way the tube grid and cathode are handled. This gives the 22 251 about 7 dB more gain than the P-12. Additionally, the head grille of the 251 is a little larger than the 12, altering the frequency response. Whether you choose the 22 251 or the P-12, you will have a microphone with the clarity, openness and top-end 'air' from these vintage legends!

Features of the 22 251:

Edge-terminated large diaphragm capsule
Dual-sided capsule for polar pattern variability
Glass triode vacuum tube
Heavy-duty 8-pin screw-on connector
Designed, engineered, & hand built in Virginia
Custom transformer output
All metal double-mesh head grille
Heavy-duty brass body
Available in stereo matched pairs

Applications:

There are countless uses for any LDC microphone. Our clients report the following as a few of their favorites:

- Female vocals - Emmylou Harris
- Male vocal - Bill Medley
- Acoustic guitar
- Drums: overheads & snare

How will you use your 22 251 mic?

Technical Data:

Capsule: 34mm condenser pressure gradient
edge-terminated
Frequency range: 20Hz/24Khz
Polar patterns: 9 - Switchable from omni-
to bi-directional
Sensitivity: 14 mv/pa
Impedance: 200 ohms
SPL: 142 dB
Equivalent Noise: 14 dB(A)
Tube Type: 6072A-M
Power Requirements: Dedicated power supply,
115V or 230V AC
Size: 52mm x 225mm
Weight: 620g

Microphone Kit Includes:

22 251 microphone in a wood box
8-pin microphone cable
Power supply
Shock mount
Locking flight case



Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!

Peluso Microphone Lab, LLC

Background image courtesy of Annabelle Chvostek
Photo: Ximena Griscti



PELUSO CEMC-6

Solid State Small Diaphragm Condenser Microphone Kit

bringing vintage sound to new life

The Peluso CEMC-6 is a solid-state small diaphragm condenser microphone capsule and amplifier set. The CEMC-6 ships with a cardioid pattern capsule with a 20 millimeter gold-sputtered diaphragm. Additional capsules are available in omni-directional, cardioid, and hyper-cardioid patterns. The CEMC-6 has very low self-noise. A high SPL allows it to handle very loud sources without distortion. A flat frequency response across its entire range provides a natural sound very true to your source. Balanced output eliminates interference and distortion. The CEMC-6 features a -10 dB and -20 dB pad switch and a two-position high pass filter with 75hz and 150hz settings. This versatile microphone is used in the studio on everything from vocals and acoustic instruments to drum overheads. For the remote recordist, this is a great mic for orchestras, live audience tapers and location sound. You'll always get great results from the CEMC-6, one of the most versatile and best sounding small diaphragm microphones on the market.

Features of the CEMC-6:

Three polar pattern capsules available:
cardioid, omni & hyper-cardioid
Standard 3-pin XLR connector
48v Phantom power
High SPL, great for loud sources
Designed, engineered, & hand built in Virginia
Solid-state electronics
Heavy-duty brass body
Available in single or stereo pair kits

Technical Data:

Capsule type: 20mm condenser
Frequency range: 19Hz/25Khz
Polar pattern: Cardioid w/ removable capsule
Sensitivity: 10 mv/pa
Impedance: 200 ohms
SPL: 156 dB w/ -20 dB pad switch engaged
Equivalent noise: 14 dB(A)
Power requirement: phantom -48v +/- 4v
Current consumption: < 3.0 MA
Size: 22mm x 164mm
Weight: 134 g

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website.

Applications:

There are countless uses for any SDC microphone. Our clients report the following as a few of their favorites:

- Drum overhead - live and in studio
 - Percussion spot mic: cymbals, toms, ride cymbal - Avett Brothers
 - Acoustic strings: guitars, violin & piano
 - Brass instruments
 - Amplifiers
 - Studio, stage, audience, close or room
 - Audience recording (search archive.org)
- How will you use your CEMC-6 mics?

Single Microphone Kit Includes:

CEMC-6 microphone with cardioid capsule
Hard mount
Foam wind screen
Wood box
(Hyper-cardioid, wide-cardioid, and omni capsules sold separately)

Stereo Microphone Kit Includes:

(2) Stereo matched CEMC-6 microphones
(2) Cardioid capsules
(2) Shock mounts
(2) Hard mounts
Locking flight case
(Hyper-cardioid wide-cardioid, and omni capsules sold separately)



Peluso Microphone Lab, LLC

Background image courtesy of Mercedes Lander, Kittie
Photo: Siegfried Meier



PELUSO P-84

Solid State Small Diaphragm Condenser Microphone Kit

bringing vintage sound to new life

In the studio or on stage the P-84's warm, natural and detailed character provides an authentic un-hyped reproduction of a wide variety of sources. The first phantom powered microphone, the KM 84 remains the standard by which all modern SDC FET pencil microphones are judged. Like the KM 84, the P-84 achieves a balanced output through a generously sized transformer, eliminating interference and distortion. The P-84 is true to its inspiration in capsule and circuit design. With the higher quality available in today's electrical components, we have been able to improve low frequency responsiveness and raise the sound pressure level capacity. The P-84 brings authentic natural warmth and detail to satisfy the demands of the modern digital recording environment.

Features of the P-84:

Three capsules available:

Cardioid, omni & hyper-cardioid

Standard 3-pin XLR connector

48v Phantom power

Designed, engineered, & hand built in Virginia

Solid-state electronics

Custom transformer output

Heavy-duty brass body

Available in single or stereo pair kit

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!

Single Microphone Kit Includes:

P-84 microphone in a wood box

Cardioid and omni capsules in a wood box

Shock mount

Hard mount

Locking flight case

Hyper-cardioid capsule sold separately

Stereo Microphone Kit Includes:

(2) Stereo matched P-84 microphones

(2) Wood microphone boxes

(2) Cardioid and (2) omni capsules

(1) Wood capsule box

(2) Shock mounts

(2) Hard mounts

Locking flight case

Hyper-cardioid capsule sold separately

Applications:

There are countless uses for any SDC microphone. Our clients report the following as a few of their favorites:

- Dobro: live and studio - Rob Ickes
 - Mandolin, guitar, bass fiddle both live and in studio - Danny Knicely
 - Guitar, mandolin, & banjo amplifiers in live performance - Avett Brothers
 - Saxophone - Paul Messina
 - Acoustic sources paired with a 22 47 SE - Daniel Rodriguez
 - Stereo set-up, acoustic instruments, drum overheads - Gene Bowen
- How will you use your P-84 mic?



Technical Data:

Capsule type: 20mm condenser

Frequency range: 20Hz/20Khz

Polar pattern: omni and cardioid

Sensitivity: 15 mv/pa

Impedance: 200 ohms

SPL: 142 dB

Equivalent noise: 14 dB(A)

Power requirement: phantom -48v +/- 4v

Current consumption: < 3.0 MA

Size: 22mm x 124mm

Weight: 130 g

Peluso Microphone Lab, LLC

Background image courtesy of Danny Knicely



PELUSO P-28

Vacuum Tube 'Pencil' Small Diaphragm Condenser Microphone Kit

bringing vintage sound to new life

We started designing the P-28 by looking at a couple of the best early tube SDC microphones. In 1954 & 1955 Neumann released the KM 54, while AKG released the C 28. We sought to recreate the low-end performance of the C 28 with the high-end qualities of the KM 54. We employed a similar sub-miniature triode tube to the one found in the KM 54. We designed our head grille construction in a style similar to that of the C 28. Under the easily removable head grille you will find a swappable capsule. A cardioid capsule is provided and other polar patterns are available. When designing the circuitry, we wanted to meet the modern demand for an ultra quiet noise floor while delivering the warmth and character of these revered vintage microphones. We introduced a FET amplifier stage prior to the tube amplifier stage. This hybrid FET-tube combination delivers just what we were looking for: the quiet and reliability of a FET with the warmth and character of a tube! At the output stage we of course use a custom transformer to provide reliable balanced signal. This unique FET-tube SDC is one of the best sounding SDC microphones made in any time period. Put it up on drum overheads, on any stringed instrument, or in a Decca Tree with an orchestra to find out why engineers say this is one of the best microphones of our entire line.

Features of the P-28:

Two capsules available: cardioid & omni
Heavy-duty 8-pin screw-on connector
Designed, engineered, & hand built in Virginia
Solid-state electronics
Custom transformer output
Heavy-duty brass body
Available in single or stereo pair kits

Technical Data:

Capsule type: 18mm condenser
Frequency range: 20Hz/24Khz
Polar pattern: cardioid (omni sold separately)
Sensitivity: 11 mv/pa
Impedance: 200 ohms
SPL: 141 dB
Equivalent noise: 15 dB(A)
Tube type: EF732
Power requirement: Dedicated power supply,
115V or 230V AC
Size: 28mm x 184mm
Weight: 300 g

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website.

Applications:

There are countless uses for any SDC microphone. Our clients report the following as a few of their favorites:

- Orchestra in a Decca Tree set-up
- Acoustic instruments: guitar, banjo, bass, violin, piano
- Stereo set-ups
- Drums: overheads, snare, cymbals
- Amplifiers

How will you use the P-28?

Microphone Kit Includes:

P-28 microphone in a wood box
Shock mount
Locking flight case
8-pin heavy-duty screw on cable
Power supply
(Omni capsule sold separately)



Peluso Microphone Lab, LLC

Background image courtesy of The Staves
Photo: Matt Dayak, Yellow Couch Studio



PELUSO TR 14

Vacuum Tube Ribbon Microphone Kit

bringing vintage sound to new life

The Peluso TR 14 Tube Ribbon Microphone combines the warmth and harmonic complexity of a tube microphone with the rich silky smooth quality and generous low end of a ribbon microphone. The tube gain stage handles low-level sources and long cable runs transparently. Clean balanced output is delivered through a custom output transformer. When designing our line of ribbon microphones, we wanted to create a classic vintage-style microphone with long ribbon geometry in the vein of the early RCA microphones. Thin corrugated aluminum ribbon is tensioned between two rare earth neodymium magnets. As the ribbon moves with the ambient acoustic air pressure variation, a current is induced in the ribbon itself. This current is the microphone's output signal. The ribbon is placed just forward of the magnet center. This provides a very slight low-end roll-off on the backside of the microphone, which can be very useful if proximity effect needs to be countered. Our ribbons are un-hyped, natural, and take EQ very nicely. Bringing tube and ribbon technologies together in the TR 14 creates a unique and versatile microphone that you will find countless applications for.

Features of the TR 14:

- Classic long-ribbon geometry
- Sub-miniature glass tube
- Very low self noise
- Handles very high SPL sources like percussion, guitar amps, & horns
- Capable of long cable runs
- Standard 7-pin XLR push-in connector
- Designed, engineered, & hand built in Virginia
- Custom style transformer output
- All metal double-mesh head grille
- Heavy-duty brass body
- Available in stereo matched pairs

Technical Data:

Type: Ribbon-velocity studio microphone
Operating Principle:
Electrodynamic pressure gradient
Magnets: Rare earth neodymium
Frequency range: 30Hz/16Khz
Polar pattern: Figure 8 (bi-directional)
Sensitivity: >-35 dBV(re 1v/pa)
Impedance: 200 ohms
SPL: 149 dB
Equivalent noise: 15 dB(A)
Tube type: CK5784 / 6J1P sub-miniature tube
Power requirements: Dedicated power supply,
115V or 230V AC
Size: 36mm x 210mm
Weight: 450 g

Applications:

There are countless uses for any ribbon microphone. Our clients report the following as a few of their favorites:

- Guitar amp
- Vocals
- String ensemble
- Mandolin
- Saxophone & trombone
- Keyboard amp

How will you use your TR 14 mic?

Microphone Kit Includes:

- TR 14 microphone in a wood box
- 7-pin microphone cable
- Power supply, shock mount
- Flight case



Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!



Peluso Microphone Lab, LLC

Background image courtesy of Andy Hall & The Infamous Stringdusters, Photo: Beehive Productions



PELUSO R 14

Passive Ribbon Microphone Kit

bringing vintage sound to new life

The R 14's sound is rich, warm, and silky smooth with generous low end. It is un-hyped, natural, and takes EQ very nicely. Clean balanced output is delivered through a custom output transformer. When designing our line of ribbon microphones, we wanted to create a classic vintage-style microphone with long ribbon geometry in the vein of the early RCA microphones. Thin corrugated aluminum ribbon is tensioned between two rare earth neodymium magnets. As the ribbon moves with the ambient acoustic air pressure variation, a current is induced in the ribbon itself. This current is the microphone's output signal. The ribbon is placed just forward of the magnet center. This provides a very slight low-end roll-off on the backside of the microphone, which can be very useful if proximity effect needs to be countered. The smooth natural sound of the R 14 ribbon microphone is the perfect complement to the condensers in your microphone collection.

Features of the R 14:

Classic long-ribbon geometry
Very low self noise
Handles very high SPL sources like
percussion & guitar amps
Designed, engineered, & hand built in Virginia
All metal double-mesh head grille
Heavy-duty brass body
Available in stereo matched pairs

Applications:

There are countless uses for any ribbon microphone. Our clients report the following as a few of their favorites:

- Guitar amp
- Drum overhead or room microphone
- Vocals
- String ensemble (in pair)
- Stringed instruments
- Brass instruments

How will you use your R 14 mic?

Technical Data:

Type: Ribbon-velocity studio microphone
Operating principle:
Electrodynamic pressure gradient
Magnets: Rare earth neodymium
Frequency range: 30Hz/16Khz
Polar pattern: Figure 8 (bi-directional)
Sensitivity: >-52 dBV (re: 1v/pa)
Impedance: 200 ohms
SPL: 149 dB
Equivalent noise: 0 dB(A)
Power requirements: None required,
or recommended
Size: 36mm x 176mm
Weight: 496 g

Microphone Kit Includes:

R 14 microphone
Wood box
Shock mount

Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!



Peluso Microphone Lab, LLC

Background image courtesy of Siegfried Meier



PELUSO SR 14

Stereo Ribbon Microphone Kit

bringing vintage sound to new life

Just like the R 14, the SR 14's sound is rich, warm, and silky smooth with generous low end. The SR 14 will enable you to successfully record the popular Blumlein technique, mid-side technique, and other stereo recording styles. Our SR 14 is built of two complete R 14 elements in one body with the upper ribbon element capable of up to a 90-degree rotation. Mid-side technique is easy to set-up with 3 channels coming from the matrix box. The 'M' (mid) channel from the top element, and S1 and S2 (side) channels are in- and out- of phase signals from the lower element. Each channel has a standard 3-pin XLR output. Just like the R 14, the SR 14 is un-hyped, natural, and takes EQ very nicely. Clean balanced output is delivered through a custom output transformer. When you need a silky smooth stereo image, the SR 14 will be your go-to microphone.

Features of the SR 14:

Classic long-ribbon geometry
90-deg adjustable dual element stereo ribbon
Very low self noise
Handles very high SPL sources like
percussion, guitar amps, & horns
7-pin XLR push-in connector
Designed, engineered, & hand built in Virginia
Custom style transformer output
All metal double-mesh head grille
Heavy-duty brass body

Applications:

There are countless uses for any ribbon microphone. Our clients report the following as a few of their favorites:

- Acoustic guitar
 - String ensemble
 - Orchestra
 - Drum overhead or front of kit
 - Brass instruments
 - Film & video production
- How will you use your SR 14 mic?

Technical Data:

Type: Ribbon-velocity studio microphone
Operating principle:
Electrodynamic pressure gradient
Magnets: Rare earth neodymium
Frequency range: 30Hz/16Khz
Polar pattern: Figure 8 (bi-directional) x2
Sensitivity: >-52 dBV(re 1v/pa)
Impedance: 200 ohms
SPL: 149 dB
Equivalent noise: 0 dB(A)
Power requirements: None required,
or recommended
Size: 36mm x 281mm
Weight: 750 g

Microphone Kit Includes:

SR 14 microphone in a wood box
7-pin microphone cable
Stereo matrix, Shock mount
Flight case



Warranty:

Peluso Microphones come with a full three-year warranty covering materials and workmanship, including tubes. Full details on our website!

Peluso Microphone Lab, LLC

Background image courtesy of Aoife O'Donovan,
Robin MacMillan & Jacob Silver. Photo: Beehive Productions



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New Models!



The Peluso P-414 solid state large diaphragm four pattern phantom powered condenser microphone. Heavy duty build quality makes this 414 a great choice in the studio and on the road.



The Peluso PS-1 hand-held large diaphragm phantom powered condenser microphone. An internally shock mounted capsule helps bring Peluso large diaphragm microphone technology to the stage!



Peluso Microphone Lab, LLC