

## VINYL RECORDS Specifications / Information for the production

### **FORMATS and PLAYING TIMES** (Reference values) -per side-

Single	7"	(17 cm)	45 rpm		up to max. 04:30 mins.
EP	7"	(17 cm)	33 1/3 rpm	03:30	up to max. 06:00 mins.
LP	10"	(25 cm)	45 rpm		up to max. 08:00 mins. [DJ use up to 05:00 mins.]
LP	10"	(25 cm)	33 1/3 rpm	12:00	up to max. 14:00 mins. [DJ use: up to 09:00 mins.]
Maxi	12"	(30 cm)	45 rpm		up to max. 12:00 mins. [DJ use: up to 08:00 mins.]
Maxi	12"	(30 cm)	33 1/3 rpm		up to max. 15:00 mins. [DJ use: up to 14:00 mins.]
LP	12"	(30 cm)	33 1/3 rpm	18:00	up to max. 24:00 mins.

**!WARNING!**

The PLAYING TIMES depend to a very large extent on the recording e.g. frequency spectrum, dynamic, volume/level etc.!  
LONGER THAN NORMAL PLAYING TIMES lead to losses in quality. Only following agreement and written release.

### **RECORDING** -general INFORMATION-

SOUND CARRIERS DIGITAL: HEADROOM dBFS -3 dB

CUT OF MASTER DISK (ANALOGUE): The SOUND LEVEL is set according to the discretion of the studio.

SURFACE NOISE ON THE RECORD:

It may not be possible to hear extremely quiet passages when replayed.

HIGH FREQUENCIES:

Could sound distorted when replayed or cause problems already in the cut.

S and F VOCAL SOUNDS: Ought to be generously reduced in level.

HIGH FREQUENCY PARTS:

May in titles which are compressed to a high degree - in parts or throughout - be emphasised too strongly (in the cut and replay).

BASS AREA: Here, where possible, no differences should exist between the channels (mono).

LOOPS - when creating the samples, the following specifications should be PRECISELY observed:

Format 12" 33 1/3 rpm → length 1,8 sec.

Format 12" 45 rpm → length 1 1/3 sec.

The sequence which is to be repeated in the loop must be produced several times (at least. 5 x) one after another.

### **DELIVERY of SOUND CARRIERS**

CD-AUDIO (CDR only up to max. 700 MB)

Must comply with the Red Book or Orange Book!

DAT CASSETTE

16 Bit, Sampling frequency 44.1 kHz, Pre-span without modulation: 60 seconds, with Start ID for each title

WAVE FILE CDR/DVD

File format Audio: Sampling rate up to 192 kHz, per record side with same Bit / Sampling rate

Assignment of titles: Provide file names with indices

TAPE ¼" -ALWAYS with preceding test tones-

1 kHz with a sound level (full sound level) corresponding to the sound level peaks of the recording

10 kHz with -10 dB related to full level, 40 or 60 Hz with -10 dB related to full sound level.

With distortion according to NAB / CCIR and noise suppression -note on the product pass-!

IMPORTANT: The specific test tone for the noise suppression used!

OTHER FORMATS upon request: e.g. MP3 and transfer via FTP server

**SAFETY PRECAUTIONS**

Label the sound carrier PRECISELY (Company name / Order number / Title etc.) so that we can assign the same.

The following details and information must be available or enclosed:

Track list, list of titles and sequence, details of the individual playing times and pauses, overall playing time, separation of the sides, details of speed 45 rpm or 33 1/3 rpm

All wishes in relation to a technical / sound reproduction processing must be clearly marked!

The details on sound carriers and printed matter should conform with each other.

!!IMPORTANT NOTE!

The PROGRAMME CONTENTS of the sound carrier delivered will be transferred 1:1!

**CUT OF MASTER DISK**

Is always made on a LACQUER! Copper disc (DMM) only where expressly ordered by you!

PRODUCTION COSTS -You have been supplied with a price list-

The following positions will be charged for this:

Article - No.: 500... Cut and processing of master disks (lacquers), cut of master disks (coppers)

**DELIVERY of MASTER DISKS and MATRICES**

The following can be delivered to us:

Lacquers // Copper disks // Mother matrices // NO stampers (press matrices)

A check will be carried out on receipt of the items delivered.

Should any extra processing be necessary, this will be carried out following prior agreement.

CHARGE according to time expended.

CUT of MASTER DISK for PICTURE DISC → It is imperative that the following points are observed:

In case of non-observance the labels may tear and/or the record is not pressed out correctly (tensions in the material)!

<u>In each case per side</u>	<u>10" Picture Disc</u>	<u>12" Picture Disc</u>
Ø of the first modulated groove	>= 238.0 mm <= 241.8 mm	>= 288.0 mm <= 292.6 mm
Ø of the last modulated groove	<= 130.0 mm	<= 130.0 mm
Ø of the final groove	106.4 mm +/- 0.8 mm	106.4 mm +/- 0.8 mm

**NOTES**

Where the playing time of a title is not long enough to reach the maximum diameter allowed for the last modulated groove, an empty groove per side with normal pitch (groove feed) - as a modulated groove - must be added.

Both sides (A + B) must contain a modulated groove resp. an empty groove! (It is impossible to press a Picture Disc with one "blank" side.)

**GALVANIC PROCESSING**

**LACQUERS**

complete galvanic full processing, i.e. father matrix / mother matrix/ stamper (press matrix)

**COPPER DISKS**

Here, a DIRECT PLATING of the stamper (press matrix) takes place.

NO complete galvanic full processing, only upon request and at a charge.

**MOTHER MATRICES**

Here, a DIRECT PLATING of the stamper (press matrix) takes place

**!WARNING!**

We assume no liability for damage to the copper disks / mother matrices in the case of any multiple platings which may be necessary!

PRODUCTION COSTS -You have been supplied with a price list-

The following positions will be charged for this:

Lacquers: Processing: Article - No.: 500...

Copper disk: First direct plating of stamper: inclusive // Processing: Article - No.: 500...

Mother matrices: First direct plating of stamper: inclusive

## RECORD PRESSING

### TEST PRESSING

First pressing runs < 500 units: WITHOUT test pressing (WITH = only possible at a charge)

First pressing runs > 500 units: WITH test pressing - 3 TPs inclusive -

!WARNING!

For pressings which are made without a test pressing, it is a pre-requisite that the recording and cut are both flawless. We assume no liability for mistakes made by third parties!

### WEIGHTS / VINYL COLOUR (STANDARD = BLACK)

Format	Standard weight approx.	Special weight approx.	Coloured Vinyl	Picture Disc	Split-Colour + Splatter Vinyl
7" Single / EP	40 g	NO	YES	NO	NO
10" LP	80 g	NO	YES	YES	NO
12" LP / Maxi	120 g	180 g	YES	YES	YES (140 - 160 gr)

### TOLERANCES

Weights: up to +/- 10%!

Colour vinyl: Slight discrepancies in colour must be accepted. Colour samples upon request.

### LABELS (as a basic principle, on both sides)

#### WASTAGE

For technical reasons, approximately the following wastage of labels arises during the pressing:

20 % in the case of 7" / 10" / 12" formats

25 % in the case of a Picture Disc

Please pay attention to this when placing your order and delivering the labels.

#### PRESSING WITHOUT LABELS

For technical reasons, this is NOT possible!

(Middle hole does not become central / pulls out. Record becomes deformed.)

#### NEUTRAL LABELS

For legal reasons, NO pressing may be made with neutral labels.

For white labels or promotion pressings, labels will be used which are printed with the wording "Only for Promotion".

Should you insist on neutral labels, we need, prior to the pressing, a confirmation that these will be printed afterwards!

DEVIATIONS IN COLOUR: are possible through the drying of the labels

PICTURE DISC LABELS: For technical reasons, little stress cracks in the label and blistering of the covering foil can arise in the area around the middle hole during pressing.

## GRAPHIC VINYL -Special Product- (Format: 7" / 10" / 12")

This record consists of two different sides.

One side of the record is for normal play, the second side can be individually designed by you (motifs / pictures / writing etc.).

By means of a special process, the motif is already transferred to the lacquer.

## SPLIT-COLOUR VINYL / SPLATTER VINYL -Special Product- (Format: 12")

This record consists of 2 up to max. 4 vinyl colours (several possible colour combinations).

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In the case of questions relating to DELIVERY of the items to us:

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In the case of questions relating to PRESSING:

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