Our Vinyl offer for you!

four
**manufacturing** services

Vinyl

Identifying our customers' needs at an early stage has always been a strength of Four Manufacturing. With a keen eye on our customers' demands and market trends, we have added a strategic partnership with a vinyl manufacturer to our existing portfolio. This enables us to also come up with an end-to-end supply chain solution for the trend of vinyl records.

We offer 7 inch vinyl records with a weight of 36 g, 10 inch vinyl with 110g and 12 inch vinyl records with weights of 140 g or 180 g. The vinyl records can be further adapted to the individual needs of customers using Coloured, Splatter, Split, Sunburst, Etched or Marble effects.

This enables Four Manufacturing to extend the well-known standards of quality, security and service as well as the proven one-stop-shop solution to the vinyl sector. Please get in touch with your customer service representative to get your individual offer.

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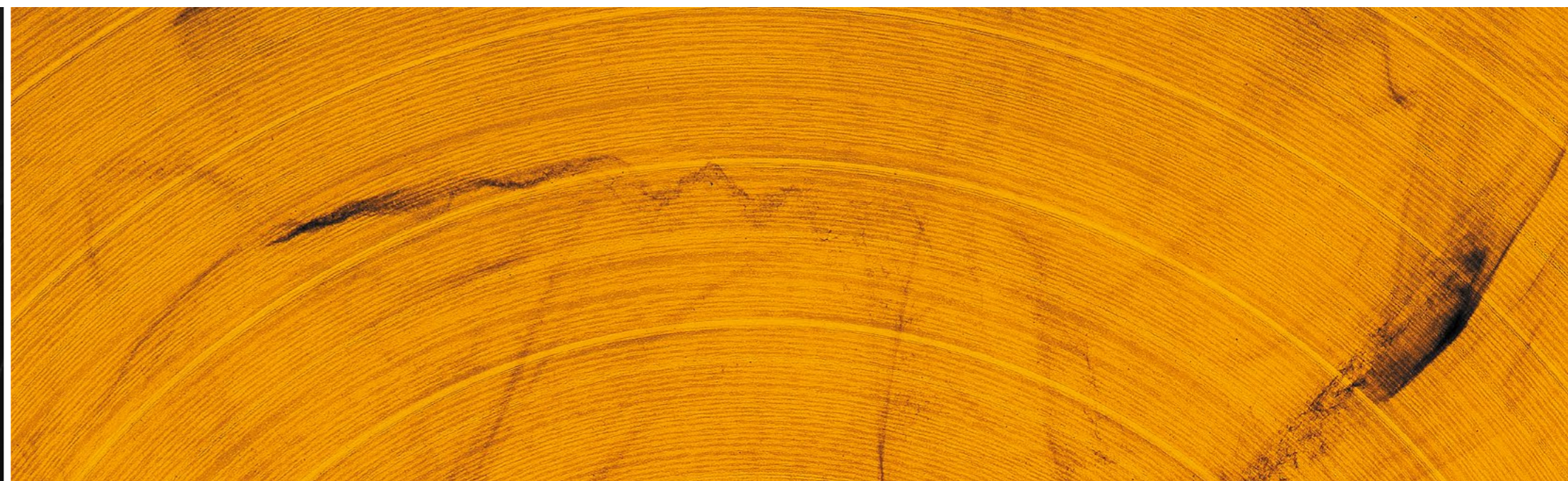
Information

The vinyl record is an analog medium and therefore it cannot compete 1:1 with the audio quality of digital input material.

When manufacturing a vinyl record, there are many steps in the process. Some of them are:

> Selection of the groove parameter
> Selection of the volume level
> Using an equalizer to optimise the volume level from the input material
> Usage of an elliptic filter (filtering frequencies)

The decision, which processes will be used to manufacture the vinyl record are very much dependent on the input material. For example both the genre of music and play time can massively influence the further production process.

TYPE	DIAMETER	REVOLUTIONS PER MINUTE	RECOMMENDED PLAY TIME PER SIDE
EP (Extended Play)	7" (17,5 cm)	33 1/3	6'30"
Single	7" (17,5 cm)	45	5'00"
MP	10" (25 cm)	33 1/3	13'30"
Maxi-Single	10" (25 cm)	45	10'00"
LP (Long Play)	12" (30 cm)	33 1/3	19'30"
Maxi-Single	12" (30 cm)	45	14'30"

7 inch   **10 inch**   **12 inch**
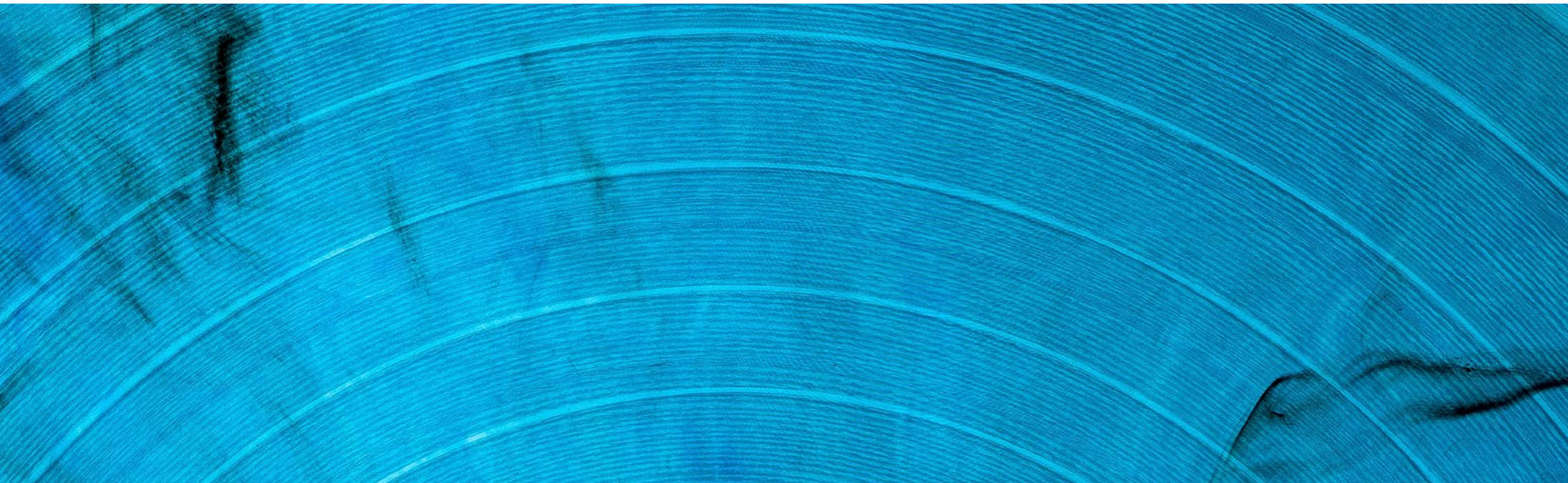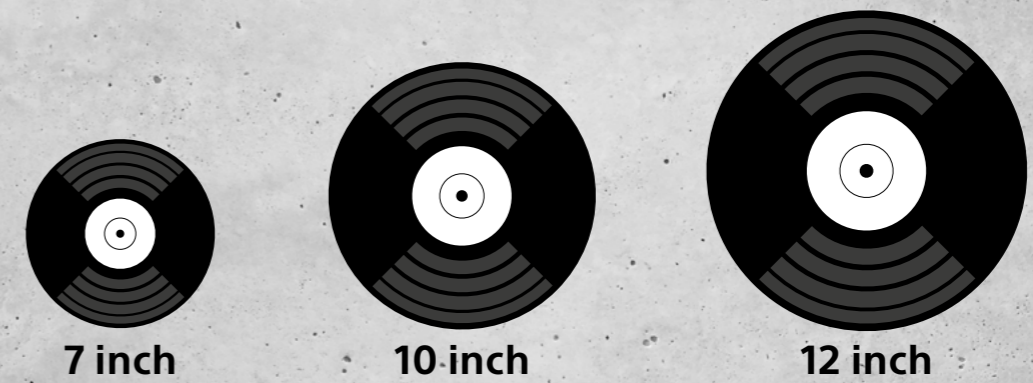
Vinyl

Vinyl records are available in 7" (inch), 10" (inch) and 12" (inch) variations.

To guarantee the highest quality, the recommended play time per side should not be exceeded.

Extending the play time to more than 23 minutes per side will cause a significant loss of sound quality.

Coloured Vinyl

On request, each vinyl record can also be manufactured in colour. Depending on your individual wishes, there are different transparencies and opaque colours available.

A selection of opaque colours available is listed below. There may however be slight colour variations from batch to batch. Due to this variance, we cannot guarantee a perfect colour match from new releases to reorders.
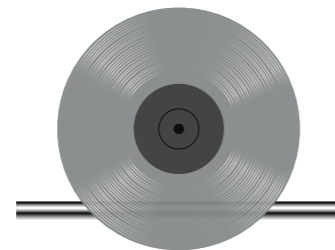
Even though the vinyl press and the corresponding extruder unit are cleaned thoroughly after each and every colour change, some colour inclusions cannot be completely avoided. Particularly in case the units need to be changed from a dark to a bright colour, vinyls with colour inclusions are not uncommon.
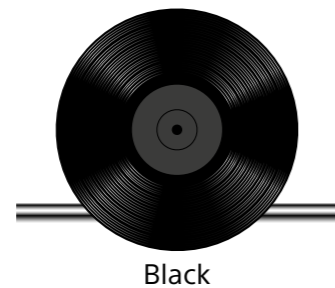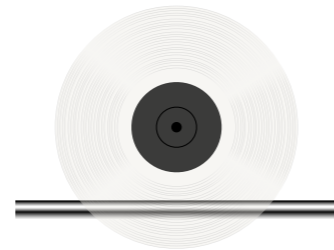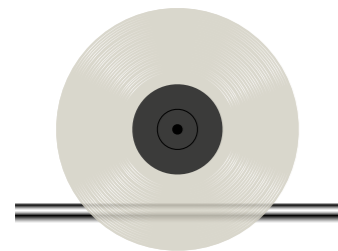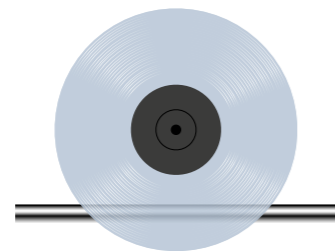
Black
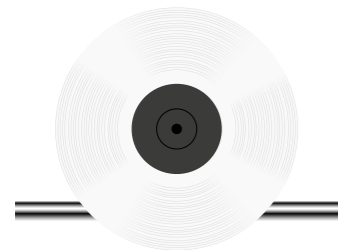
PLRC 024 White 1154

PLRC 024 Silver 9220
similar to Pantone 423

PLRC 024 Trans Clear 3771
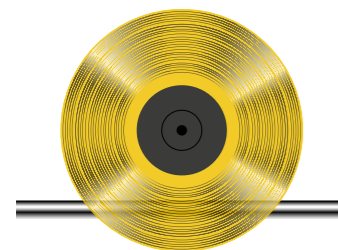similar to Pantone Warm Gray 1

PLRC 024 Trans Natural 141
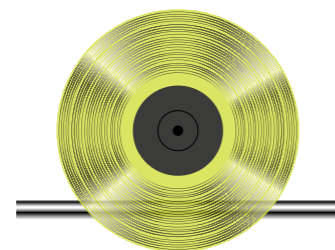similar to Pantone 7527

PLRC 024 Trans Crystal 8751
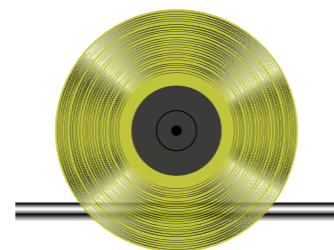similar to Pantone 537

PLRC 024 Yellow 8308
similar to Pantone 107

PLRC 024 Trans Yellow 9216
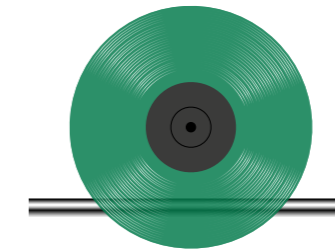similar to Pantone 7406

PLRC 024 Trans Lime 9343
similar to Pantone 380

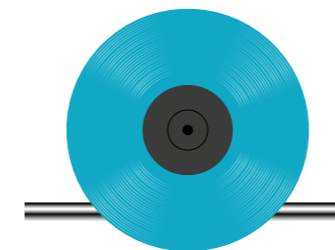PLRC 024 Trans Yellow 9340
similar to Pantone 583

PLRC 024 Trans Green 8755
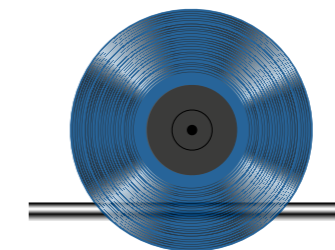similar to Pantone 341

PLRC 024 Trans Green 7686
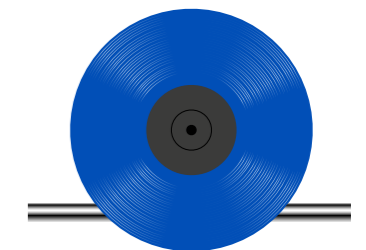similar to Pantone 2245

PLRC 024 Green 9351
similar to Pantone 3308

PLRC 024 Turquoise 8788
similar to Pantone 2200

PLRC 024 Trans Blue 9391
similar to Pantone 301

PLRC 024 Blue 8228
similar to Pantone 2935
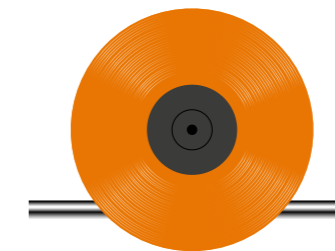
PLRC 024 Purple 8821
similar to Pantone 2096

PLRC 024 Trans Magenta 9344
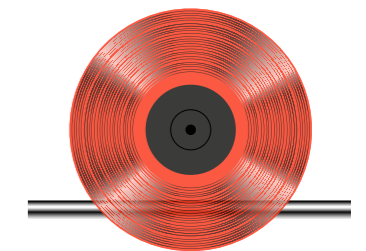similar to Pantone 213

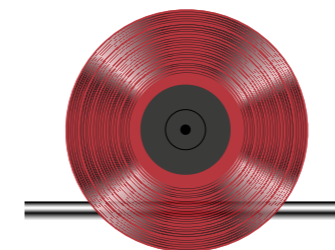PLRC 024 Trans Violet 9346
similar to Pantone 235

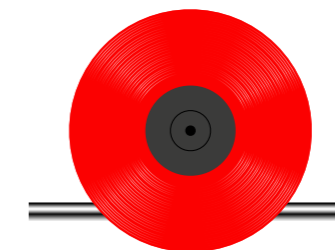PLRC 024 Trans Orange 9226
similar to Pantone 144

PLRC 024 Orange 9350
similar to Pantone 716

PLRC 024 Trans Orange 7937
similar to Pantone Bright Red

PLRC 024 Trans Red 8287
similar to Pantone 2035

PLRC 024 Red 8227
similar to Pantone 7621

PLRC 024 Gold 9221
similar to Pantone 871

Splatter Vinyl

A Splatter Vinyl consists of at least two different colours. There is one base colour and a splatter colour. The splatter effect is created by manually sprinkling coloured granules on top of the base material prior the manufacturing process. When being pressed, the granules are pushed to the outside like a beam.

This manual process gives each vinyl record its very unique design and individual look.

The variance of colours available offers an almost infinite range of variations for your Splatter Vinyl.

The design of a splatter vinyl depends very much upon several different factors such as the temperature and/or the amount of granulate which is used as the splatter colour. Also the technique of the relevant operator is important. Based on this and other factors, each and every splatter vinyl is completely unique and, therefore, not repeatable.
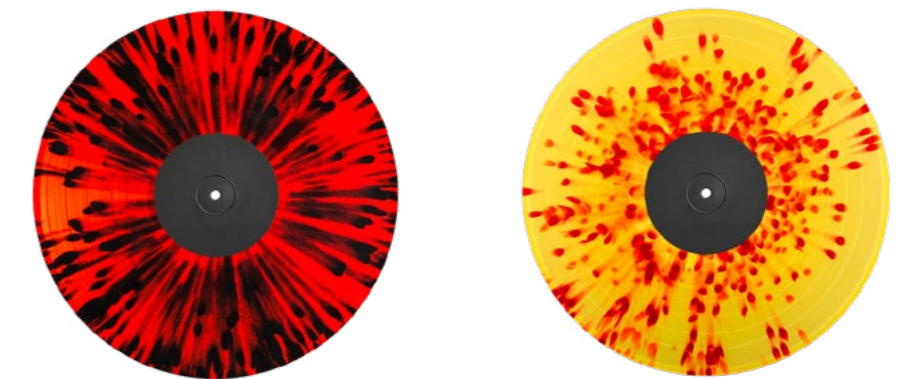
Marble Vinyl

A Marble Vinyl optically simulates a marble structure. To generate this structur, at least two colours are mixed at the time of heating. The variance of mixing ratios and different colours guarantees the individual look of your product. The mixing ratio is defined using percentages.

To achieve the best results possible, we recommend to choose a transparent or light colour for the base and a slightly darker or conditioning colour for the marble effect.
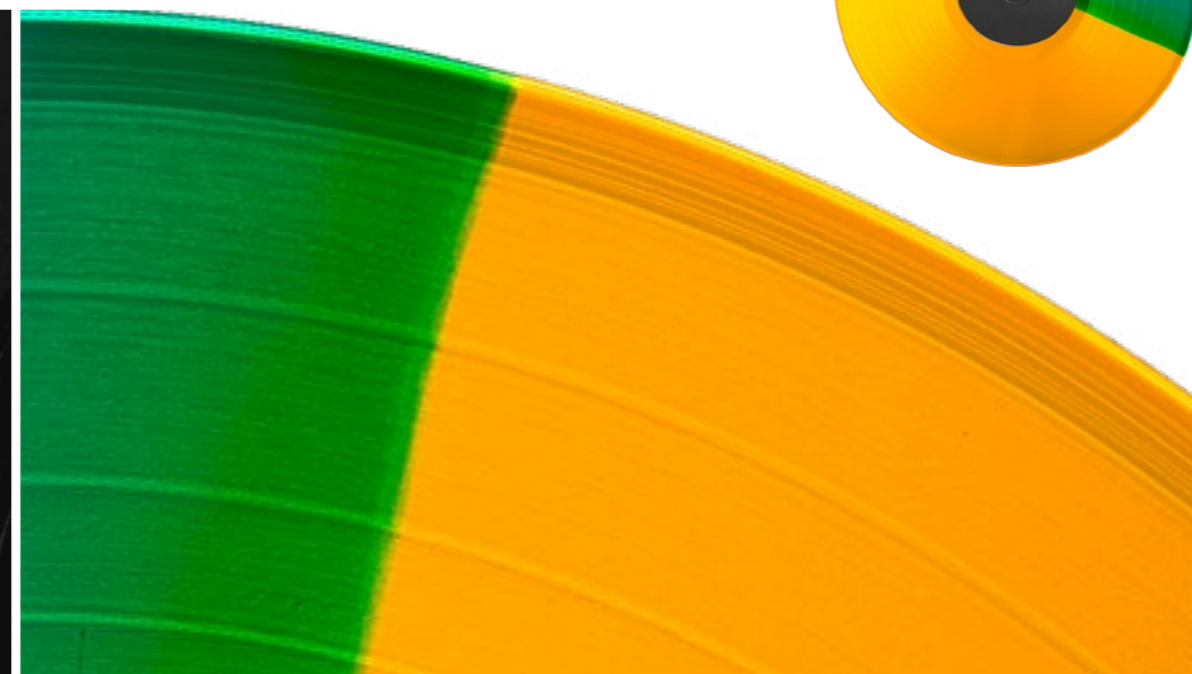
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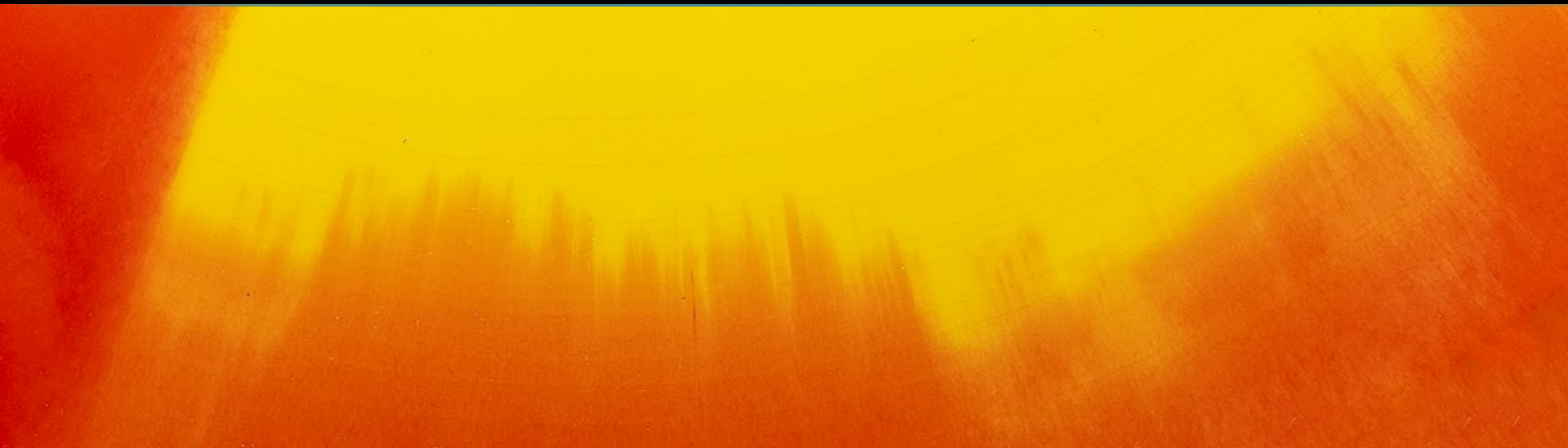
Colour in Colour

The Colour in Colour Vinyl comes with a so called „sunny-side-up-effect". To get this effect, two independently chosen colours are melted into each other.

This effect can only be manufactured by a manual mixture of the colour donuts, making each product a unique vinyl. Again we recommend to choose at least one opaque colour.

Half / Half

Two different colours are pressed aside at Half / Half Vinyls. The chosen colours can individually be picked from the range of colours presented.

We recommend to use at least one opaque colour, as two transparent colours might mix up.

Due to the fact that the merging of both colours is a completely manual process, a 50/50 split cannot be entirely ensured.
Likewise it can happen that during the pressing process both colours can mix together thus no accurate boundary can be guaranteed.

2 types
of Split Colour
Vinyl
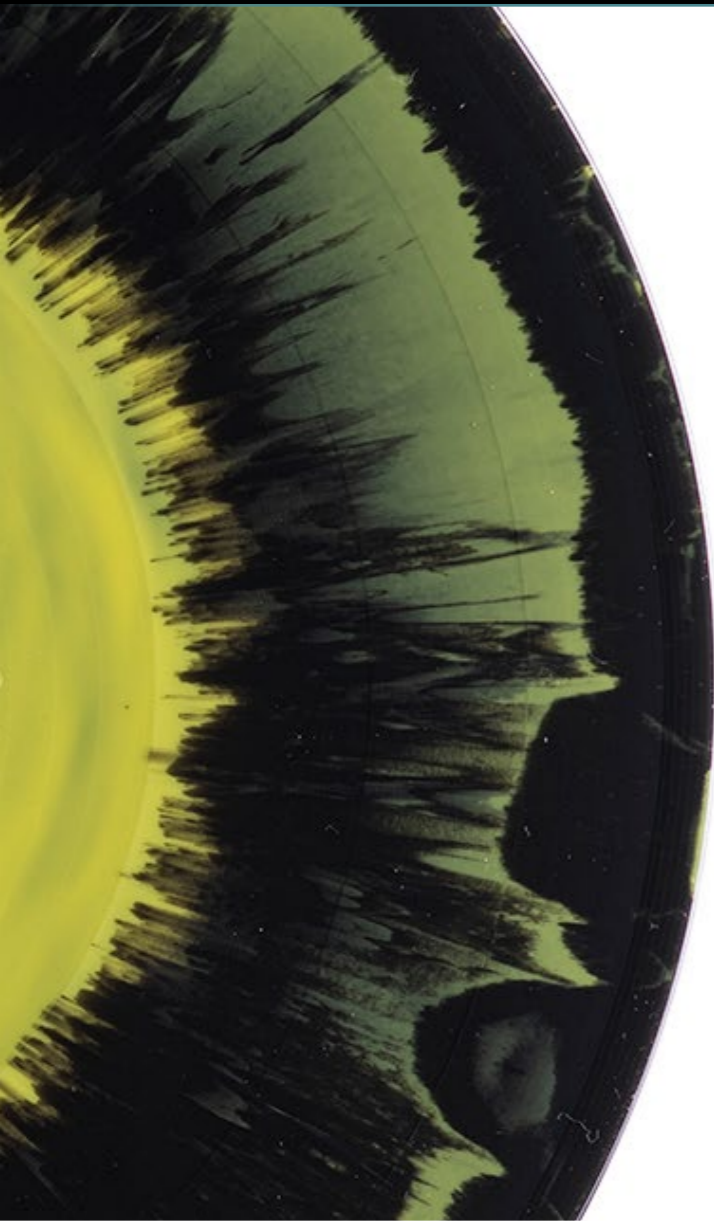
Sunburst

A sunburst vinyl is made up of two freely selectable colours. That effect is completely random on both sides of the record and, therefore, cannot be controlled.
In order to achieve the best possible result, such an effect is limited to opaque colours only.
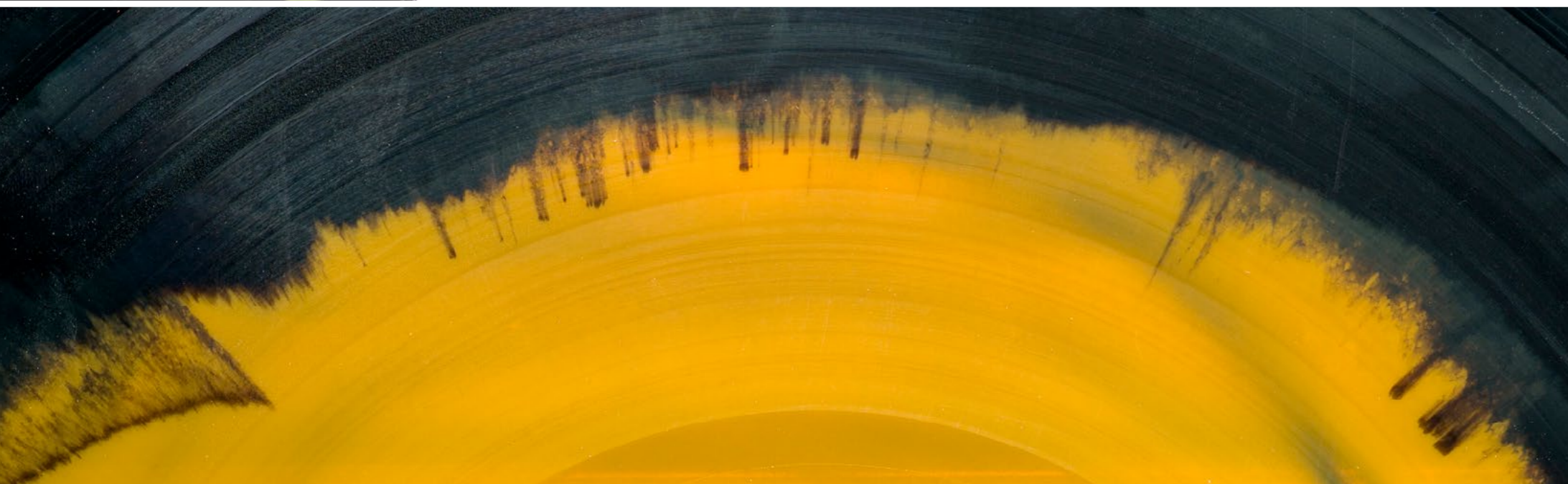
Sunburst

Etched

For an etched vinyl an image is pressed into a defined side of your record which has a frosted appearance. The etched side does not contain any grooves and no music can be added to this side. The image is laser-etched directly onto the lacquer and is then taken through the galvanic process.

The etching design must be supplied as vector artwork in a separate file. Please note that very fine and intricate designs could be problematic for the etching process and the outcome might not be as desired. Fine and tightly arranged design elements may either disappear or merge into larger ones. Elements which are reproduced well are with a thickness of at least 1mm and a distance of not less than 1mm from each other. The graphics should be created without shadows – just 100% black.

Etched
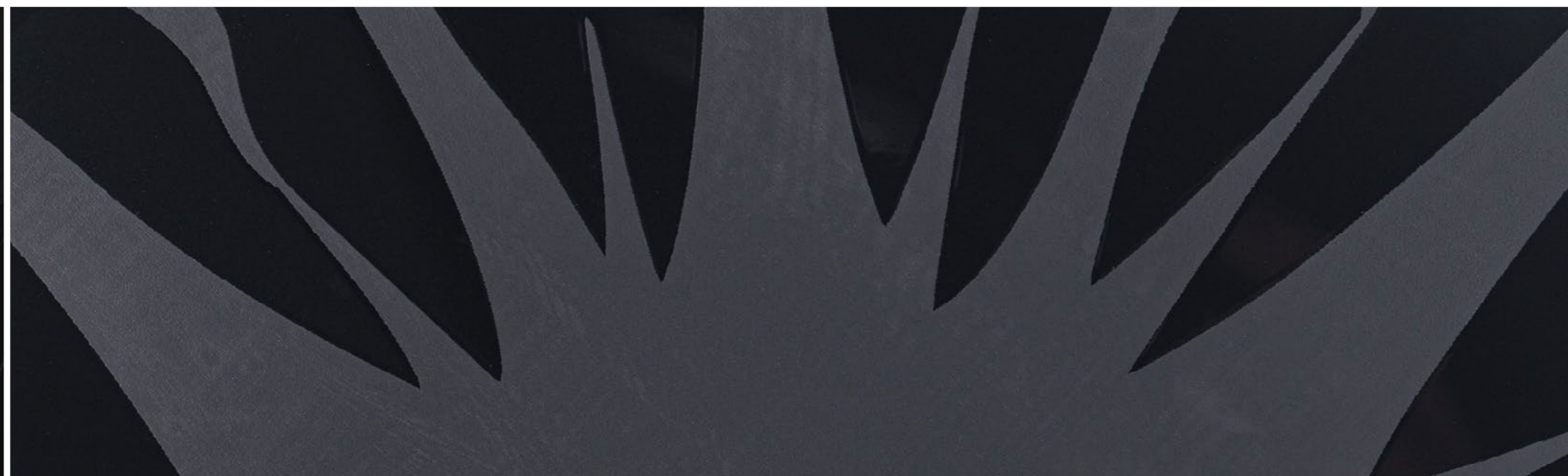
We're looking forward to hearing from you!

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