

VINYL RECORDS MANUFACTURING PROCESS

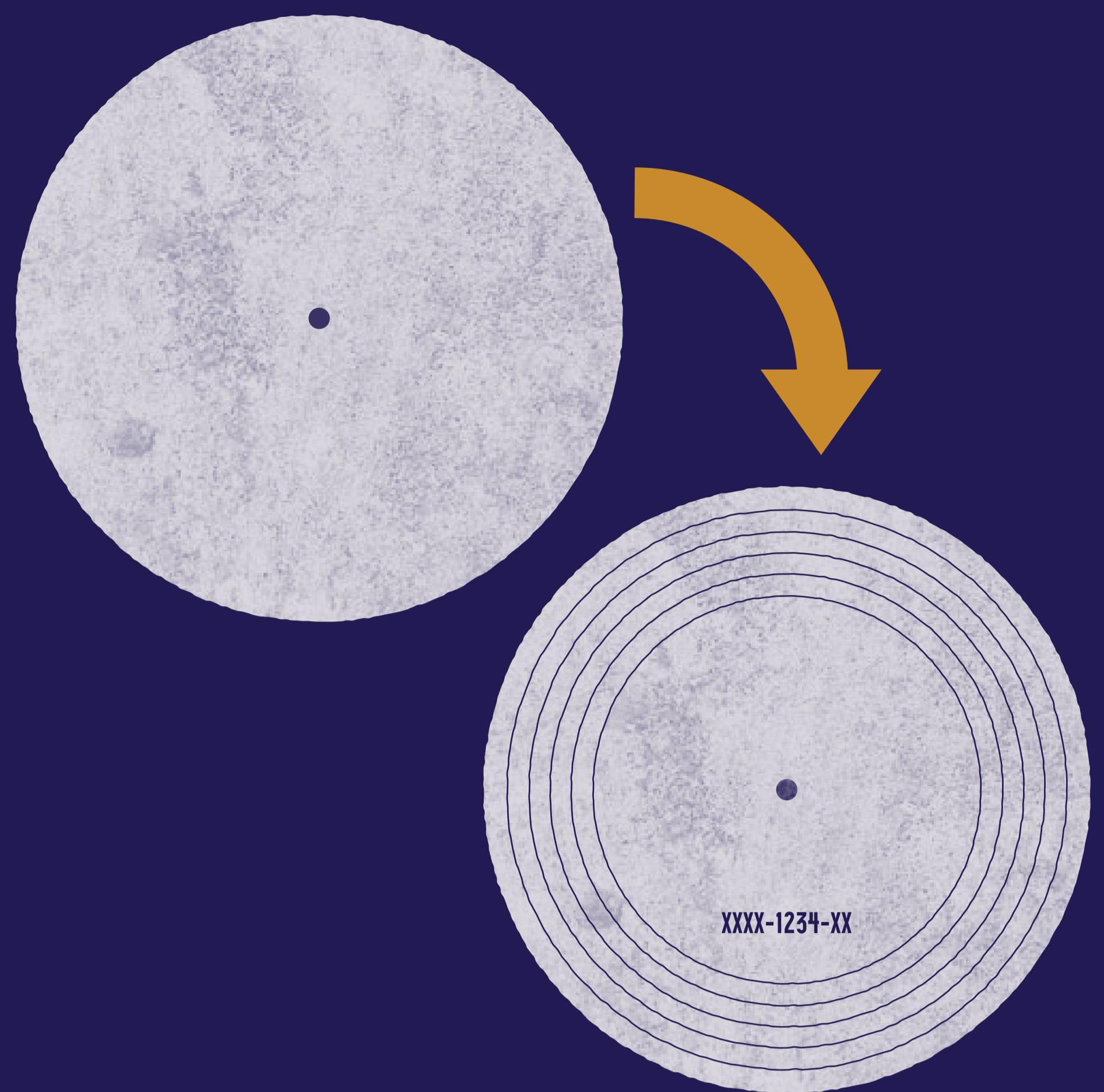
STEP 1.

The Master Lathe Machine is used to cut the grooves in the "Master Disk"

Deep cuts for bass & small cuts for high pitch sounds

The matrix number is engraved

After this process the disk is now called the "Master Lacquer"



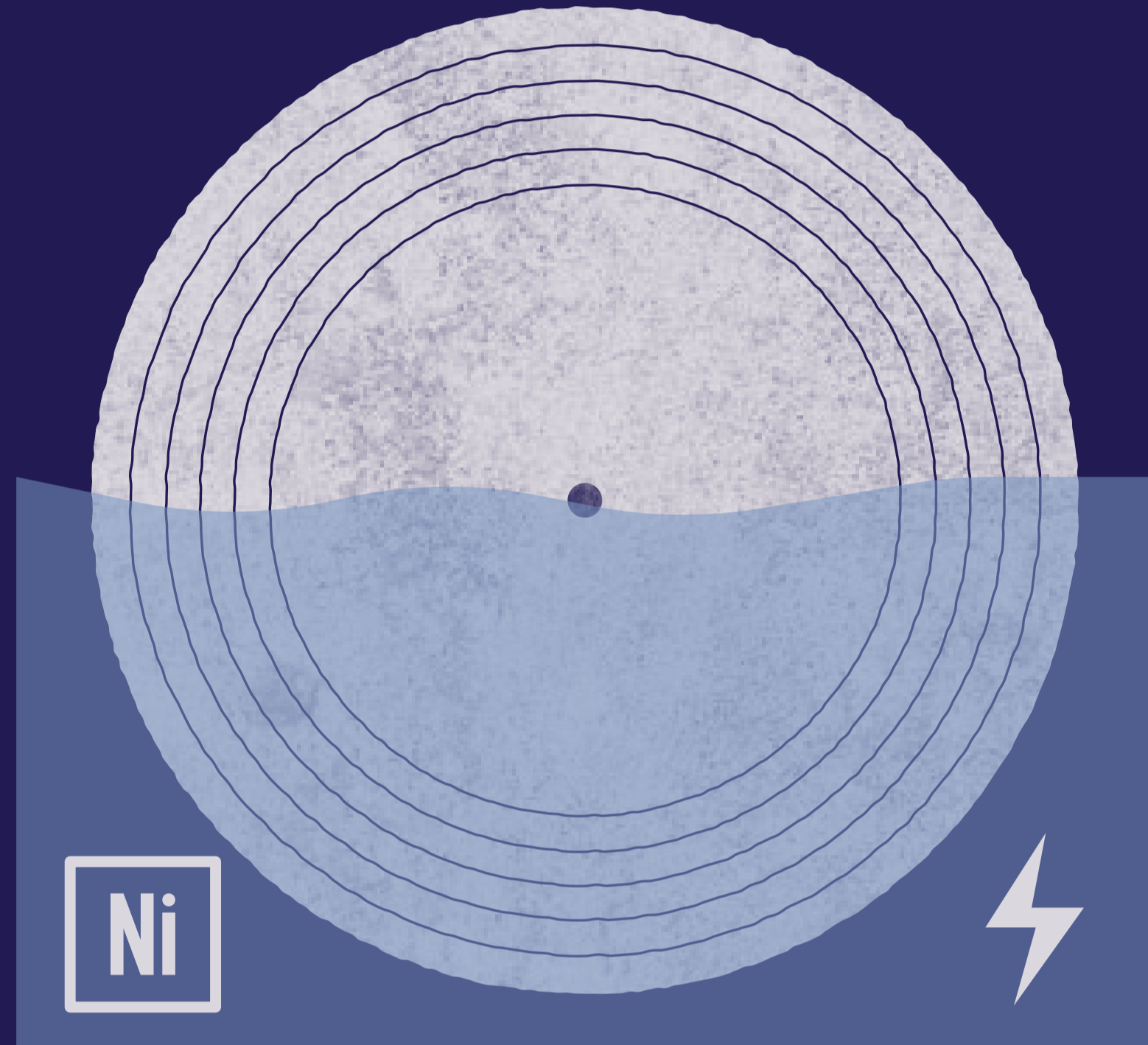
STEP 2.

The Master Lacquer is sprayed with thin layer of liquid chloride & silver

Then a nickel solution bath

An electric current flows through the disk (nickel particles are attracted to the surface of the disc)

The process creates the "Metal Master"



STEP 3.

The Metal Master is used to produce the "Metal Mother"

From the Metal Mother the "Stamper" is created, which is a negative version of the Master Disc

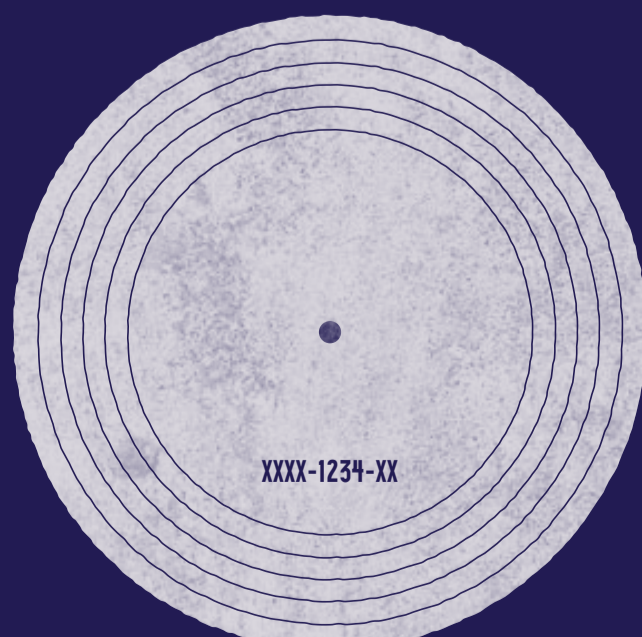
The Stamper is placed in the Press. Then a piece of vinyl is placed between the plates. The press jaws are then closed and are heated to soften the vinyl to allow it to flow

The jaws are cooled to harden the disc



STEP 1

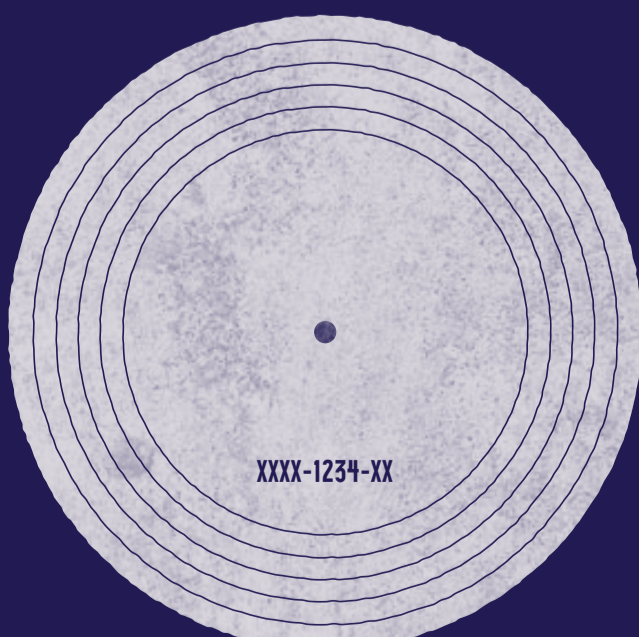
MASTER LACQUER



POSITIVE

STEP 2

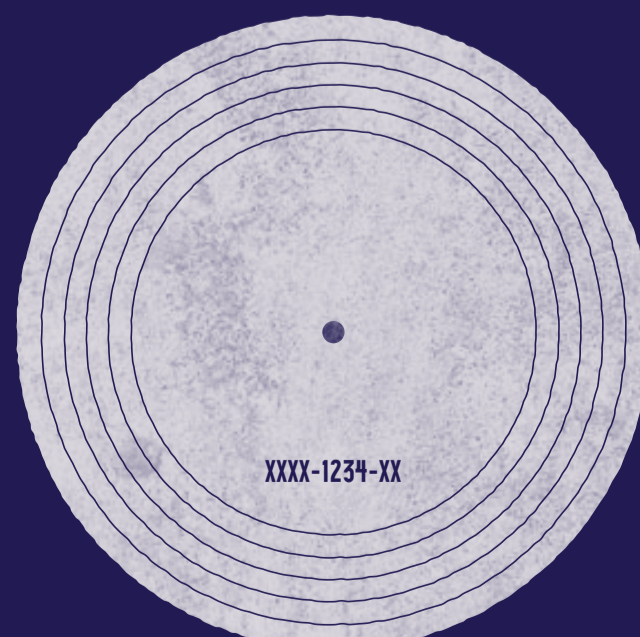
METAL MASTER



NEGATIVE

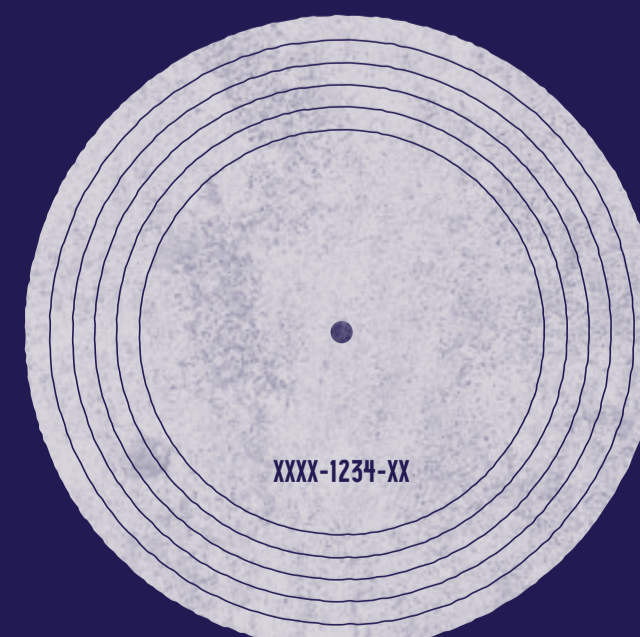
STEP 3

METAL MOTHER



POSITIVE

THE STAMPER



NEGATIVE