

Where We Came From

Extraction, purification, and formulation is engrained in Thar's successful DNA

- Extraction (exit)
 - Suprex (incorporated in 1982) sold to Isco
- Purification (exit)
 - Thar Instruments sold to Waters Corporation
- Formulation (exit)
 - Thar Pharmaceuticals sold to Grunenthal
 - * Also spun off Criticality off of Thar Process to sell to Pyxus / Alliance One Tobacco

Extraction & Purification DNA

Dr. Lalit Chordia



Founder & Chief Executive Officer

- Co-Founded Suprex Corp.
- Founder of Thar Technologies, Thar Instruments, Thar Pharmaceuticals, and Thar Process

Todd Palcic



President & Chief Revenue Officer

 Co-Founded Thar Instruments, Penn Worldwide, Neolitics, and Green Chemistry Group

Jim Waters



Director

- Father of Preparative Chromatography
- Founded Waters
 Corporation in 1958,
 a US\$15B publicly
 traded company
 today with 6,900+
 employees

Two Robust Revenue Streams

TOLL PROCESSING



Thar operates a toll processing / contract R&D facility in Pittsburgh, USA. Thar is open to strategic partnerships in other regions.

MANUFACTURING



Thar designs, manufactures and sells advanced CO₂ extraction and purification systems ranging from pilot to commercial-scale

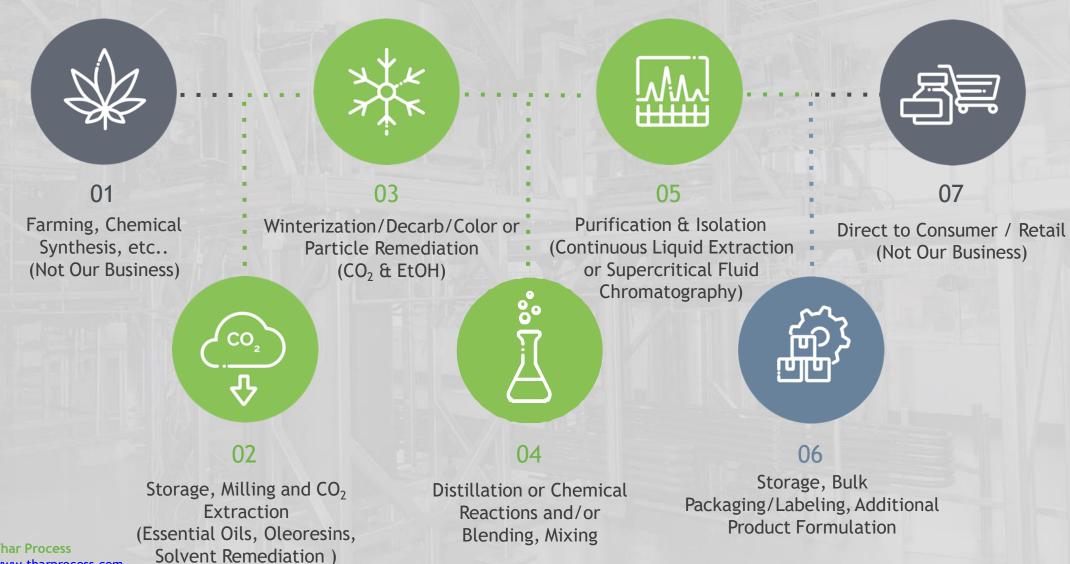
Thar's Extraction Facility in Pittsburgh



Thar's Pittsburgh facility can process up to 4 metric tonnes of biomass per day.

Fully Integrated Natural Product Tolling Operations:

Thar Provides Critical Links in the Value Chain



People, Planet, Profit: Not Just Talk



•77,366 kg CO2 Saved
•80% savings over HPLC
•Equivalent to 3,533 new
trees

Thar Process www.tharprocess.com



•728,503 MJ Saved
•83% savings over HPLC
•Equivalent to 5,325 homes heated for 1 day



122,841 kg Water Saved
90% reduction of Process Mass Intensity
Equivalent to 5,173 people's daily
water needs

CO2: Cleaner, Safer, Cheaper and No Dry-Down Heat Required



Non-toxic Pure, Stable



Fast



Non-flammable



RecyclableMinimizes waste



Reclaimed from Industrial plants



Sustainable Minimizes energy use

Thar Process SuperFast™ Extraction Systems

Systems Available:

- SuperFast™ 2x9 up to 60kg
- SuperFast[™] 2x25 up to 120kg
- SuperFast[™] 2x120 up to 480kg
- SuperFast™ 2x360 up to 1,2 to
- SuperFast™ 2x720 up to 2,2 ton
- SuperFast[™] **2x1650** up to 5 ton



Now available with WinterFlow™ In-line Winterization technology!

SuperFast™ 2x25L

Applications/Details:

- Fragrance / Essential Oils / Cannabis
- 10 kg input of Decarbed Biomass
- 5kg input of Non-Decarbed Biomass
- 20-minute terpene run (low pressure to trap)
- 1: 40 min extraction run @ 85% oil extracted
- 2.5 kg/min CO2 "mass flow rate" (Coriolis mass flow meter included)
- Co-Solvent Optional (100 and 250 ml/min)

Daily 24-hour Extraction Capacity:

Up to 120 kg (Decarboxylated)

Up to 60 kg (Non-Decarboxylated)



4 to 5 Ton per Day Multi-Purpose Extraction System

- Hops & Hemp
- Oil Seeds, Spices, Food Colors, Dyeing
- De-fatting Barley, Nuts, DHA
- Astaxanthin, Chrysanthenum, Rosemary



Thar Process Isolator™ SFC Series

Isolator SFC™ 10X

Up to 4 kg of purified input material/day

Isolator SFC™ 22X

Up to 10 kg of purified input material/day

Isolator SFC™ 60

Up to 80 kg of purified input material/day

Purification · Concentration Isolation · Remediation



Isolator SFC™ 10X

Applications:

- Cannabis Labs
- Pre-Clinical Trials
- Clinical Trial Quantities
- Chiral Separations
- Impurities Isolation
- Natural Products IND Dev
- Installations in EU and USA

Daily Purification Capacity:

Up to 4 kg



Isolator SFC™ 22X

Applications:

- Chiral Separations
- Impurities Isolation
- Natural Products IND Dev
- Remediation of Pesticides/Fungicides and THC from Hemp
- Pharmaceutical API Production (Chiral)

Daily Purification Capacity:

Up to 10 kg



Isolator SFC™ 60

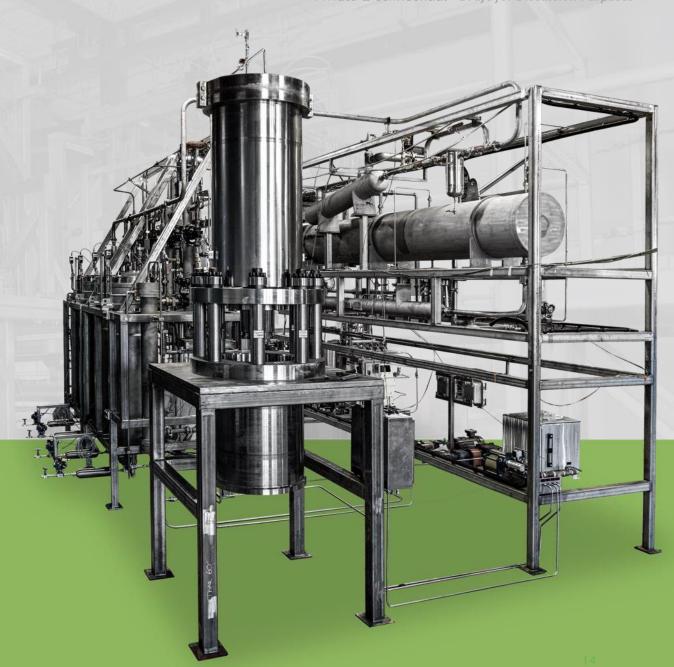
Applications:

- Remediation of Pesticides/Fungicides and THC from Hemp
- Pharmaceutical API Production (Chiral)
- Two SFC 60 cm installed in the USA
- 1 Custom SFC 40cm installed in Malaysia for Palm Oil (tocotrienols / tocopherols)

Daily Purification

Capacity:

Up to 100 kg



Continue the Conversation

Henry I. Castro Vargas, PhD +57-(311)-869-3150
hcastro@TharProcess.com
TharProcess.com











