

## Fractionation Plant

The dry fractionation/low temperature crystallization is especially done for the palm oil only at the stage crude oil or after physical refining. Palm oil contains a considerable amount of the saturated fatty acids such as palmitic and stearic along with unsaturated fatty acids. On dry fractionation of the palm oil, there are two fractions obtained such as higher melting, semisolid Palmstearin and a liquid fraction Palmolein.

Industrially, the fractionation is carried out at low temperature using jacketed crystallizer with agitator and proper cooling circulation arrangement. The palmstearin nucleated and propagated into crystals over the period of constant cooling. The crystals of palmstearin are separated from palmolein fraction on filtration using special kind of filter medium such as membrane, etc. at certain pressure.

We supply low temperature crystallization plant separately, as well as along with palm oil processing plant of different capacities with utility equipments and services.

## REFERENCES

Plants supplied by our technology partners in Andreotti Impianti, Italy.

Company	Country	Capacity
OLEIFICIO NUCCI	Firenze (Italy)	30 TPD
OLEIFICIO FIORENTINO	Firenze (Italy)	30 TPD
OLEIFICIO KERNEL	Imperia (Italy)	50/80TPD
OLEIFICIO BORELLA	Lucca (Italy)	50 TPD
OLEIFICIO SAIS DI STIAVA	Lucca (Italy)	30 TPD
FRANCISCO FERRAN BAQUE	Spain	80/100 TPD
SABO	Switzerland	20 TPD
OLEIFICI MEDITERRANEI	Savona (Italy)	30/50 TPD
OLEIFICI CAPURRO	Avegno	(Italy) 30 TPD
OLEIFICI BELLOLI	Inveruno (Italy)	50 TPD
SOCIETA' INTERNAZ. OLEARIA (FERRUZZI GROUP)	Castelfno (Italy)	30 TPD
FRATELLI GIANNAZZA	Legnano (Italy)	50 TPD
OLEIFICIO FIORENTINO	Firenze (Italy)	10 TPD
OLEARIA PUGLIESE	Bari (Italy)	100 TPD
COSMIVOIRE	Ivory Coast	100 TPD
FRANCERECO (NESTLE' GROUP)	Beziers (France)	Pilot Plant
PASQUALINI S.p.a	Latina (Italy)	400 TPD
ZUCCHI S.p.a.	Cremona (Italy)	300 TPD
BOWTRADING & FINANCE	Switzerland	200 TPD
ADRIAOLI	Giulianova (Italy)	100 TPD
YELLOW DRAGON	Changchun (China)	30 Tonn./24h

Company	Country	Capacity
* COSMIVOIRE	Ivory Coast	150 TPD
BERTOLLI	Lucca (Italy)	150 TPD
IMP. & EXP. CORP.OF ZHUZHOU	China	50 TPD
PAVLOS N. PETTAS	Greece	30 TPD
COMPLEXE COSMETIQUE		
DE L'OUEST – C.C.O.	Cameroon	50 TPD
SHRIFATS & MARGARINE	Nigeria	300 TPD
SAVOLA	Sudan	100 TPD
SAVOLA	Saudi Arabia	200 TPD
AREEJ VEGETABLE OILS	Oman	50 TPD
SAVOLA	Kazakhstan	200 TPD
SAVOLA	Egypt	400 TPD
SAVOLA	Algeria	600 TPD
SAVOLA	Sudan	200 TPD
SAVOLA	Saudi Arabia	350 TPD
DANEH TALAEI AMOL VEGETABLE		
OIL MANUFACTURING COMPLEX	Iran	150 TPD

\* REPEATED ORDER