

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Kinematica / Polytron PT 1200 C* at our website: ***Click HERE***

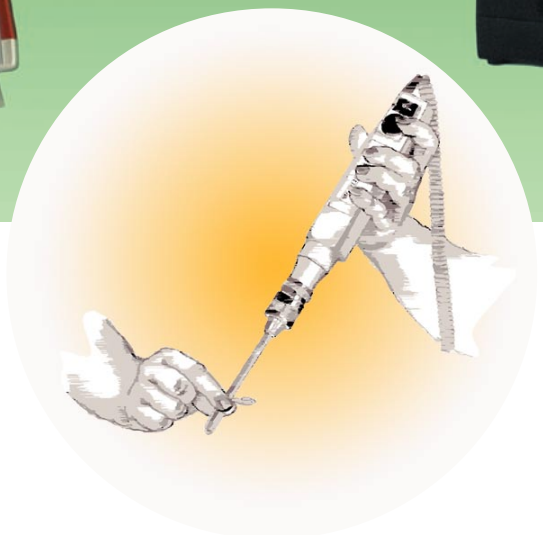
POLYTRON®

DISPERSING AND MIXING TECHNOLOGY BY KINEMATICA

Dispersing Technology for the Laboratory

POLYTRON® Systems PT 1200 B/C/CL - Handheld Homogenizers





KINEMATICA AG

Dispersing and Mixing Technology

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Handy, powerful and safe

A whole family for small amounts

With the guiding principle „No compromises on small working volumes“, the POLYTRON® PT 1200 handheld disperser family offers three powerful and safe versions. Equipped with different POLYTRON® Dispersing-Aggregates they are suitable for dispersing, homogenizing, emulsifying, suspending, blending, etc. small volumes between approx. 0.1 ml (e.g. Eppendorf tubes) and approx. 250 ml.



PT 1200 B - independent

- **accumulator drive** with 30 Watt Leistung
- two eligible speeds 15000 / 25000 rpm
- three exchangeable dispersing aggregates
- quick coupling for dispersing aggregates
- 1h - quick battery charger



PT 1200 C - safe

- powerful **100 Watt** drive unit
- **safety transformator** with tension outlet 18V
- variable speeds up to approx. 22000 rpm (depending on dispersing aggregate and media)
- three exchangeable dispersing aggregates
- quick coupling for dispersing aggregates
- splash proof housing



PT 1200 CL - economic

- powerful **100 Watt** drive unit
- **transformator** with tension outlet 18V
- variable speeds up to approx. 22000 rpm (depending on dispersing aggregate and media)
- three exchangeable dispersing aggregates
- quick coupling for dispersing aggregates

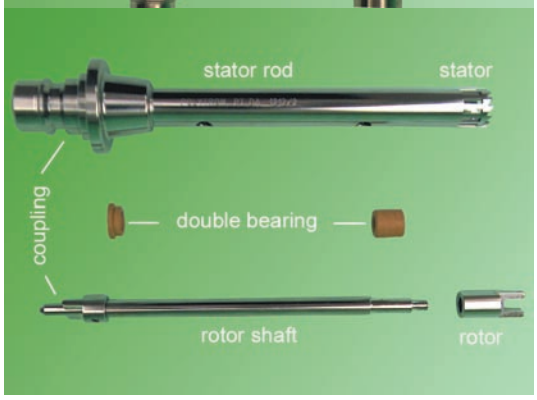
Quick coupling

POLYTRON® handheld dispersers are not only sturdy, safe and powerful but also convincing by their handiness. A quick coupling system allows an aggregate change even with one hand. No screwing, no searching for correct position ...



Dispersing aggregates in Easy-Clean design

As a standard POLYTRON® dispersing aggregates have a double bearing and are made of finest stainless steel (1.4435/316L).
As a surplus the dispersing aggregates for the PT 1200 familly are equipped with saw teeth that increases their efficiency in preliminary reduction of the sample and considerably reduces the processing time. The teeth are secured by a safety ring which prevents the teeth from bending.
Dispersing aggregates in EC design, EC stands for *E*asy*C*lean™, are equipped with special slide bearings made from high quality plastics which convince with excellent mechanical characteristics and superior chemical resistance. They can be disassembled with effortless ease, are easily cleaned and can be sterilised and autoclaved.



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POLYTRON® PT 1200 family- Overview

Dispersing aggregate / model	PT-DA 1205/2EC	PT-DA 1207/2EC	PT-DA 1212/2EC
Description	suitable for smallest amounts and Eppendorf tubes	suitable for small amounts and test tubes	suitable for small and larger amounts
Shaft length	100 mm	105 mm	105 mm
Stator-Ø	5.5 mm	7.5 mm	12 mm
Rotor-Ø	3 mm	5 mm	9 mm
Tip speed (max.)	3.5 m/s	6 m/s	11 m/s
Working volume	approx. 0.1 - 5 ml	approx. 0.3 - 10 ml	approx. 2 - 250 ml
Recommended dispersing vessel	KINEMATICA dispersing vessels from GS 15 upwards or a vessel with min. 6 mm inside diameter	KINEMATICA dispersing vessels from GS 15 upwards or a vessel with min. 8 mm inside diameter	KINEMATICA dispersing vessels from GS 15 upwards or a vessel with min. 15 mm inside diameter
Applications	• Dispersing smallest amounts of plant, human or animal tissues • Dissolving of solids • Extractions	• Dispersing of cells and tissues in small amounts of liquid • Dissolving of solids • Extractions	• Dispersing of plant, human or animal tissues, resins, pigments • Extractions • Producing of suspensions / emulsions
Order Code	11030005	11030020	11030040









Drive unit / Model		Order Code
PT 1200 B with battery charger 230 V		11010020
PT 1200 B with battery charger 115 V		11010021
Quick battery charger 230 V (approx. 1h)		11080005
Quick battery charger 115 V (approx. 1h)		11080006
PT 1200 C	Europe 230 V, 50/60 Hz	11010010
	CH 230 V, 50/60 Hz	11010011
	Others 115 V, 50/60 Hz	11010012
PT 1200 C	230 V, 50/60 Hz	11010015
	115 V, 50/60 Hz	11010016



Accessories		
AP 1200	Zubehörpaket mit Basisstation und Stativ inkl. Transportkoffer	11040005
GS 15	Dispersing vessel for 35 ml	11050010
GS 25	Dispersing vessel for 150 ml	11050011
GS 40	Dispersing vessel for 500 ml	11050012



Other dispersing and homogenizing vessels and accessories on request

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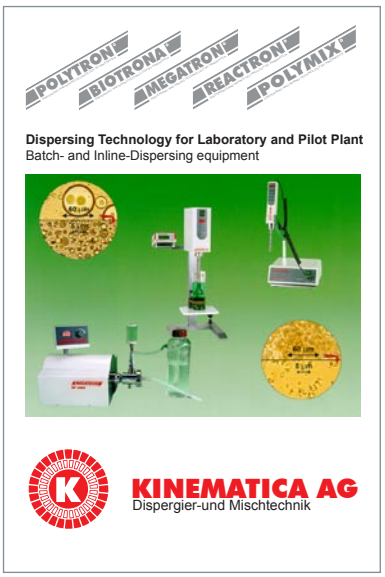
Finest Solutions ... worldwide !

A wide range of products with the finest solution for every application, matched by the superior quality of all components make KINEMATICA a world leader for Dispersing and Mixing technology.

With Keen Eyes ...
Development knows no rest at KINEMATICA. Our systems are constantly upgraded to reflect the state-of-the-art technology and the needs of the market. KINEMATICA has always had a keen eye for major advances, as proved by various patents.
The rotor/stator principle for dispersing technology was conceived and developed at KINEMATICA and has become the world standard.

... For Your Needs
Applications for Dispersing/Homogenizing Technology are always on the increase. KINEMATICA continually creates new areas of processing applications based on innovations. We do not neglect the human factor as it is exemplified by the noise reduction of our high-speed systems.

Please, get in touch with us, our local appointed agent or your preferred dealer. We will be pleased to supply more details or arrange for a personal demonstration of our POLYTRON® and MEGATRON® systems.



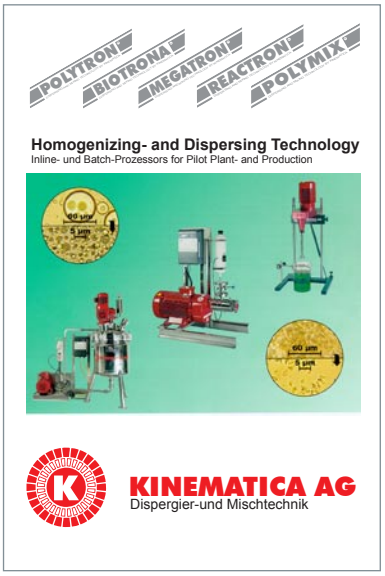
Feinste Lösungen ... weltweit !

Eine breite Produktpalette mit der optimalen Lösung für jede Applikation, sowie der hohe Qualitätsstandard aller Systemteile machen KINEMATICA zum weltweit führenden Unternehmen im Bereich der Rotor/Stator-Dispergier- und Mischtechnik.

Mit offenen Ohren...
KINEMATICA entwickelt die Systeme laufend weiter und bringt sie konzeptionell und konstruktiv auf den neuesten Stand der Technik. Denn KINEMATICA hat die Ohren noch nie vor dem verschlossen, was unerhörte Fortschritte bringt - davon zeugen auch verschiedene Patente.
So hat sich das von KINEMATICA entwickelte Rotor/Stator-Dispergierprinzip weltweit durchgesetzt und bewährt.

... für Ihre Bedürfnisse
Die Einsatzbereiche der Rotor/Stator-Dispergiertechnik erweitern sich ständig. Das nicht zuletzt deshalb, weil KINEMATICA durch Innovationen, wie erhöhte Umfangs geschwindigkeiten, neue Arbeitsgebiete und neue Applikationen erschliesst - ohne dabei menschliche Aspekte zu vernachlässigen. Erinnert sei an das Bemühen um die Geräuschminderung am Arbeitsplatz.

Wenden Sie sich an uns. Gerne senden wir Ihnen weitere Unterlagen oder führen Ihnen unsere **POLYTRON®**- und **MEGATRON®**-Systeme vor.



Represented by / Vertreten durch:

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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