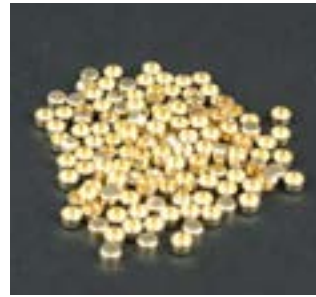


# VIBRON

Ammunition surface  
vibratory finishing





## VP/HA AUTOMATIC VIBRATING WASHING SYSTEM

**Revolutionary multipurpose vibrating machine, able to perform:**

- Degreasing
- Polishing
- Deburring
- Soaping
- Descaling
- Drying with hot air suction
- Pickling

In a single unit, all processes with no risk of mixing and damaging.

Capacity from 30 up to 400 dm<sup>3</sup> / hour.

With VP/HA system, drying is achieved by suctioning hot air through the pieces in vibration: this system perfectly dry even the most complex details without stains or dust.

Drying process is automatically controlled by temperature, with our revolutionary PID system: 30% less time and power.



MODEL	CAPACITY dm <sup>3</sup>	DIMENSION			POWER KW	HEATING KW
		Ø	H	CHANNEL		
VP/HA 35	35	670	800	160	0,55	9
VP/HA 60	60	930	900	225	1,5	12
VP/HA 150	150	1140	1000	270	1,5	18
VP/HA 270	270	1380	1100	320	3,5	18
VP/HA 380	380	1560	1250	360	3,5	24



## VP/HA FULLY AUTOMATIC SYSTEMS

**Complete with:**

- PLC controls
- Loading system
- Water & chemicals dosing systems
- Chemicals recycling systems
- Soundproofing
- Integrated hot air and maize drying







## VP VIBRATING MACHINE

MODEL	CAPACITY dm <sup>3</sup>	DIMENSION			POWER KW
		Ø	H	CHANNEL	
VP 35	38	670	800	160	0,55
VP 60	60	930	900	225	1,5
VP 150	150	1140	1000	270	1,5
VP 270	270	1380	1100	320	3,5
VP 380	380	1560	1250	360	3,5



## VD/CS MAIZE DRYER

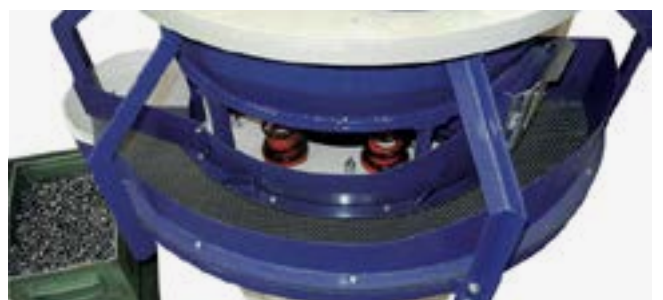
MODEL	CAPACITY dm <sup>3</sup>	DIMENSION			POWER KW	HEATING KW
		Ø	H	CHANNEL		
VD/CS 60	60	1010	800	170	1,5	6
VD/CS 150	150	1295	1000	220	1,5	9
VD/CS 300	300	1510	1250	320	3,5	12
VD/CS 500	500	1695	1250	400	3,5	18





# THE MOST ECONOMIC AND EFFECTIVE TREATMENT FOR LEAD CORES

- Perfect and bright finishing
- No water employed
- Dust proof
- No mix of parts
- Long protection
- Fully automatic



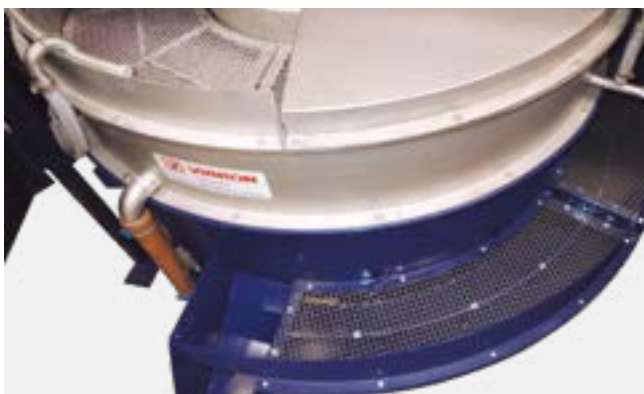
## VP DRY PROCESS MACHINE

MODEL	CAPACITY dm <sup>3</sup>	DIMENSION			POWER KW
		Ø	H	CHANNEL	
VP 10	10	490	800	120	0,35
VP 40	38	670	800	160	0,55
VP 60	60	930	900	225	1,5



## THROUGHFEED WASHING & DRYING SYSTEM

- Simple & economic
- Process inline with production press
- Chemicals recycling system
- Up to 100,000 pieces / hour



### SINGLE UNIT WITH WASHING COVER

- Extremely compact
- Delicate on galvanized & plated steel cases



### DOUBLE UNIT WASHING + DRYING

- Little compact units
- Reduced power consumption
- Great production capacity
- Very good degreasing & polishing

## CHEMICALS & CONSUMABLES

### LIQUID CHEMICALS SPECIALLY STUDIED FOR AMMUNITION PARTS

- Degreasing chemicals for all metals
- Etching & descaling chemicals to be employed after annealing process
- Polishing & protection chemicals
- Lubricating & rinsing agents



### DRYING & DRY POLISHING MATERIALS

- Corn cob (Maizorb) drying material
- Nut shells polishing material 6

	DRYING MATERIAL
GM 06	3000/4500 $\mu\text{m}$
GM 08	2000/3000 $\mu\text{m}$
GM 12	1500/2000 $\mu\text{m}$
GM 16	1050/1500 $\mu\text{m}$
GM 20	750/1050 $\mu\text{m}$
GM 30	450/750 $\mu\text{m}$
GM 40	180/450 $\mu\text{m}$







# ATEX BULLET CLEANER



# VD/CS MAIZE DRYER

MODEL	CAPACITY dm3	DIMENSION			POWER KW
		Ø	H	CHANNEL	
VD/CS 20	20	630	850	94	0,37
VD/CS 60	60	1010	800	170	1,5
VD/CS 150	150	1295	1000	220	1,5
VD/CS 300	300	1510	1250	320	2,5
VD/CS 500	500	1695	1250	400	3,5





## Vibratory Finishing Technologies



# VIBRON