



Magnetic Tumbler Machine

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Model	Powel KW	Processing Weight KG	Weight KG	Groove Size MM	Power V
IV-C250	0.55	3	50	370*270	220V
IV-C300	0.75	5	80	320*320	220V
IV-C350	1.1	8	110	370*370	22V or 380V
IV-C450	1.5	12	180	470*470	22V or 380V
IV-C500	2.2	16	230	540*540	22V or 380V
IV-C600	3.7	24	320	630*630	380V
IV-C700	5.5	32	380	730*730	380V

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FAQ For Magnetic Tumbler Machine

Are you looking for a magnetic tumbler machine for your mass finishing process?

If yes, then this guide is for you.

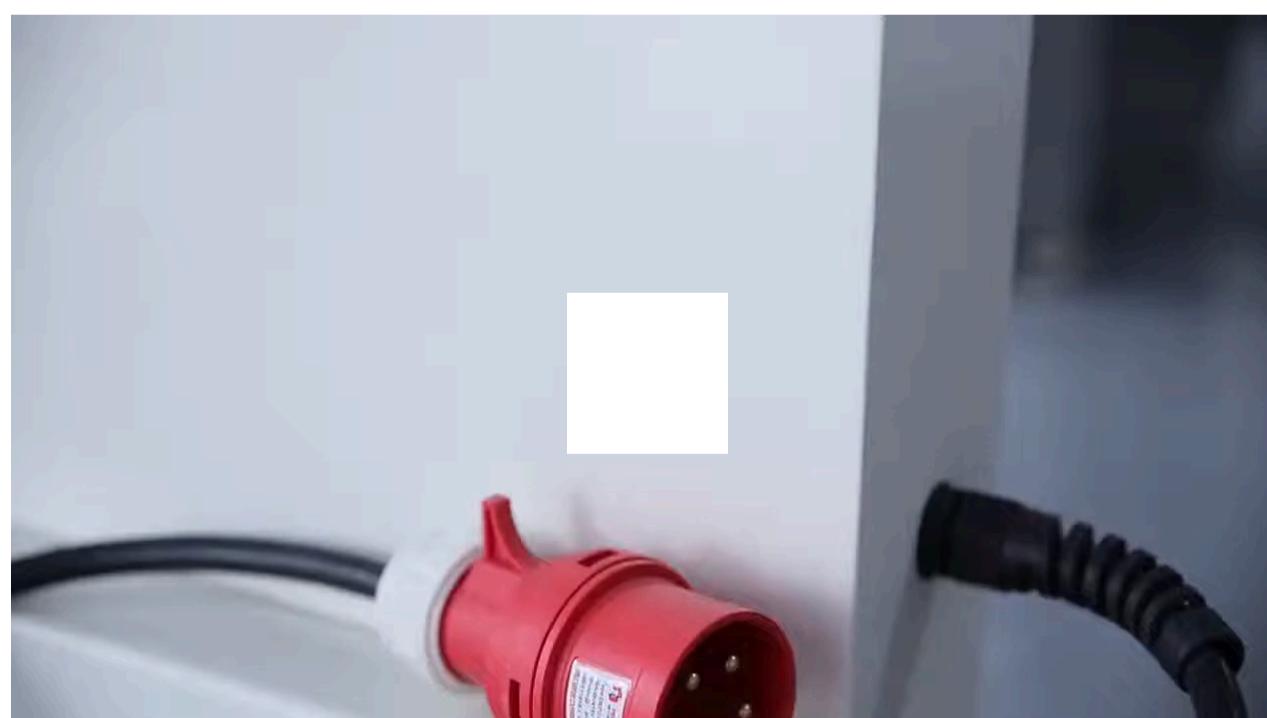
You will learn the different benefits of using a magnetic tumbler machine in your finishing process.

Inovatec machinery has got 20 plus years of experience in manufacturing [mass finishing machines](#).

We offer the best quality mass finishing machines for our customers.

Send Your Inquiry Today

Submit



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You will also learn about the different types of magnetic tumbler machines offered by Inovatec.

So, you can always contact us.

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1. What Is A Magnetic Tumbler Polisher Machine?

The mass finishing machine that works on the principle of magnetic action for the polishing process is known as a magnetic tumbler polisher machine.

This machine is also known by other names like a magnetic polishing machine, magnetic polisher machine, and magnetic polishing tumbler.

Inovatec machinery manufactures magnetic tumbler polishing machines in different capacities with different features.



So, you can choose any of these machines based on your polishing requirements.

Inovatec machinery offers magnetic tumbler polisher machines with processing capacity from 3kg to 32 kg.

This wide range of capacities will ensure that you can easily select one for your business.



2. Can You Share The Various Advantages Of Using Magnetic Tumbler Machine?

The various advantages of using a magnetic tumbler machine over the traditional finishing process are given below.

2.1 Minimal Maintenance

All the magnetic tumbler machines from Inovatec machinery require very little maintenance.

Very high-quality parts are used in the construction of the machine.

So, they are less prone to wear and tear.

You can easily do all the maintenance activity with a standard tool kit.

No special training is required to do the maintenance activities.

Less maintenance means lower maintenance costs too.



2.2 High Performance

It is tough to get a high-quality consistent finish across all the parts if you use a manual method of polishing.

The magnetic tumbler machines from Inovatec machinery guarantee a high-quality finish across all the parts.

This finish will be consistent also.

So, the machine offers higher performance than the manual method.

2.3 Ease of Operation

In the case of the manual method, a person needs to take each part, one by one, and use his tools to polish the parts manually.

It is a tedious process and will take lots of time also.

In the case of the machine, you just need to load the parts, media, and compounding agents into the working container and switch on the machine.

All the processing will be taken care of by the machine.

The machine is also easy to operate.

So, the whole process is easy in the case of machines.



2.4 Less Material Removal

Most of the parts that are used in this machine are small and expensive.

These parts demand less material removal.

The manual method of polishing may result in more removal of material from the parts, especially if the job is done by a less experienced person.



2.5 Cost-Effective Solution

The traditional method of polishing the parts involves multiple laborers, multiple toolsets, and polishing compounds.

So, you will need to invest in all these parameters.

You need only a one-time investment on the magnetic tumbler polisher machine from Inovatec along with the [Reusable media pins](#).

The machine will deliver quality results with the media consistently for many years.

So, the machine based polishing process is more cost effective than the traditional method.

2.6 Faster Processing

In the case of the traditional finishing process, a person needs to use hand tools to polish the parts, one at a time. So, it will take lots of time to complete the polishing if there are many parts to be polished.

The use of machine to process many parts at a time will make the whole process faster.

Thus, it will help you to save your valuable time

2.7 Reusable Media

The machine based polishing process make use of reusable media.

You can reuse the media multiple time for many years.

The stainless steel pin media that are used in the magnetic tumbler polisher machines come with very high life.

You need to ensure that you buy the best quality media in the market.

Inovatec machinery manufactures very high-quality stainless steel media pins.



3. What Are The Typical Applications Of Magnetic Tumbler Polisher Machine?

There are many applications for the magnetic tumbler polisher machine.

They are listed below.

3.1 Polishing Jewelry Parts

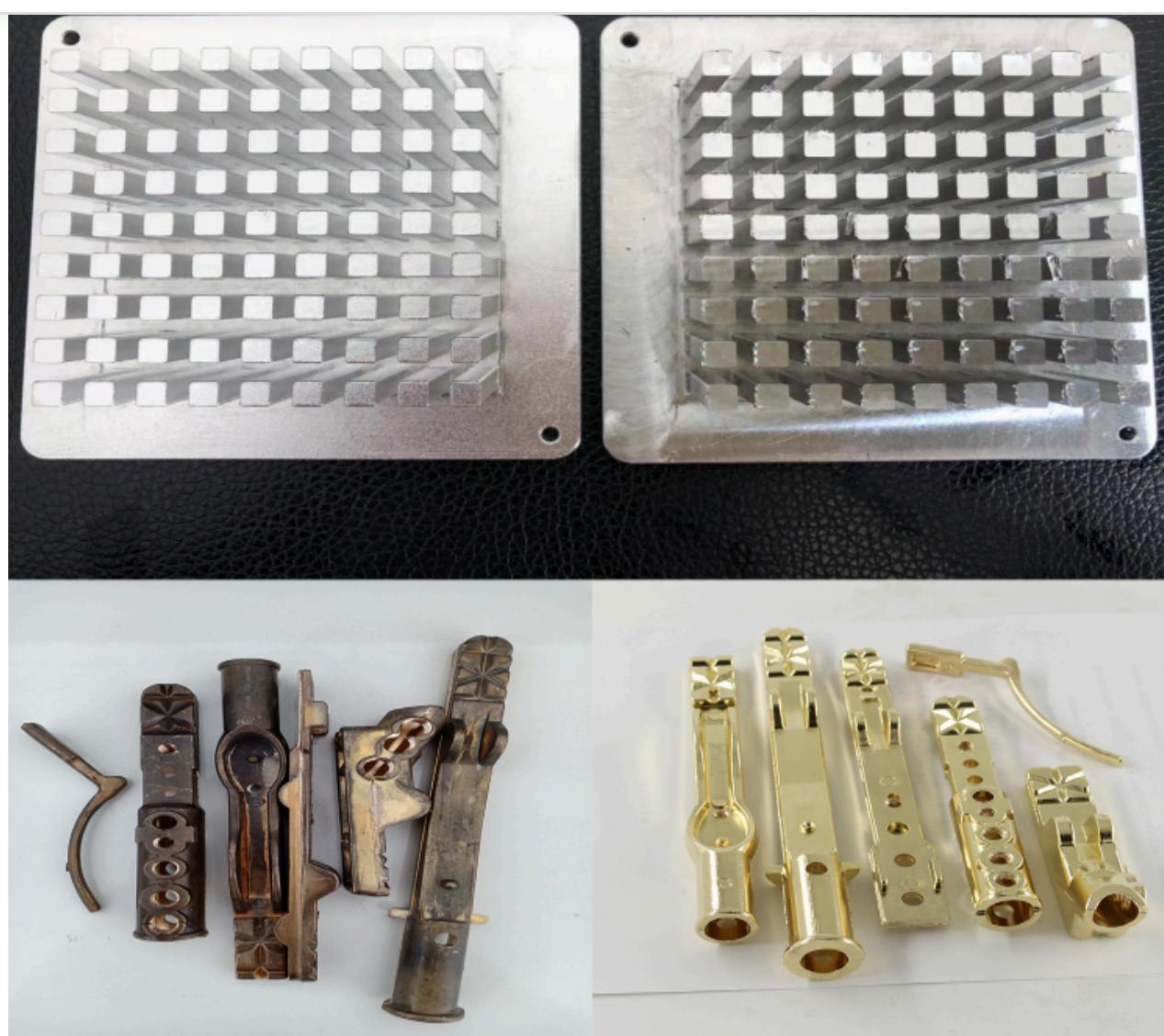
One of the main applications of magnetic tumbler polishing machine is for polishing expensive jewelry parts.

3.2 Polishing Expensive Stones

Expensive stones that demand for that extra shine can be easily polished using Inovatec's magnetic tumbler polishing machine.

3.3 Finishing Non-Ferrous Metals

Non-ferrous metals can be grinded and polished using this polisher machine.



3.4 For Finishing Dental Parts

You can use this tumbler polisher to mass polish metal parts that are used in the dental sector.

4. What Type Of Media Needs To Be Used With The Magnetic Tumbler Polisher Machine?

Stainless steel media pins are the media that needs to be used in the magnetic tumbler polisher machine.

These pins come with some chromium content in it.

It is the chromium content that helps to make it magnetic.

The pin structure will help to reach all the nooks and corners in the parts.

These pins are nonabrasive.

The hard-hitting action of the pins help to finish the parts

Thus, an efficient polishing process is guaranteed.

Inovatec machinery manufactures high-quality stainless steel media pins.

So, you can buy from us with confidence.

5. Can You Explain The Working Principle Of The Magnetic Tumbler Polisher Machine?

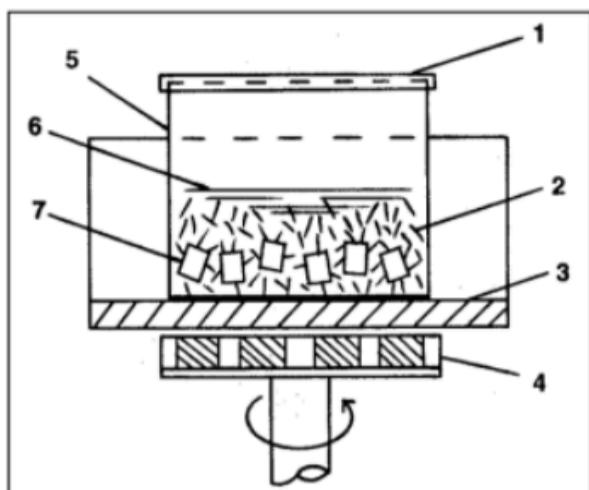
The magnetic tumbler polisher machine uses the electromagnetic principle for its working.

The machine comes with a control board where the operator can enter the required parameters for the processing.

compounding agents.

There are rotating magnets below the container.

Principle of Machine:



1. Lid
2. Magnetic media (Stainless steel pin)
3. Top plate
4. Magnetic disc
5. Container
6. Liquid and water (1 / 50 - 100)
7. Parts

These magnets are mounted on a plate that is driven by a motor.

Once you switch on the machine, then the stainless steel media pins will start hitting against the parts inside the tumbler.

It is the magnet that is responsible for the movement of the pin media inside the container.

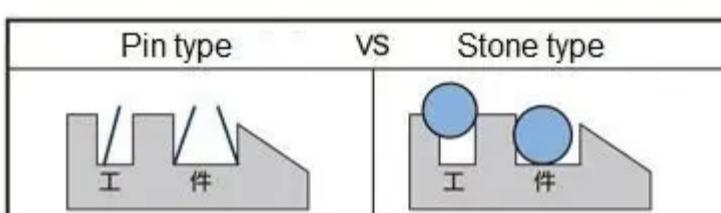
This continuous hitting of the media on the parts will help to remove any discoloration on the part surface.

This process is carried out in such a way that the amount of material that gets removed from the parts is kept to bare minimum.

The centrifugal force created by the movement of the media and the pins will help to polish the parts.

Once the process is over, separate the parts from the media.

SPINner



The media can be washed for cleaning.

You can dry and store it for later use.

This process also gets finished in

a very good time.

6. Can You Explain The Different Features Of The Magnetic Tumbler Polisher Machine?

Inovatec machinery offers different types of magnetic tumbler polishers.

Each of these machines comes with certain features.

Some of the main features are listed below.

6.1 Variable Speed Control

The magnetic tumbler machines from Inovatec come with a variable speed control option also.

6.2 Different Capacities

The different machine models come with different capacities.

So, you can choose any model that matches your polishing requirements.

6.3 Power Supply Options

Different countries support different power grids.

Some countries will have the 220V grid whereas others will have the 380V grid.

Some of the magnetic polisher machines from Inovatec come with the choice of power supply.

You need to mention your desired power supply specifications while placing the order.

6.4 Stainless Steel Working Container

All the machines come with a stainless steel working container.

So, the container will not get oxidized or rusted.

It will ensure more life for the container.

7. What Is The Life Of The Magnetic Tumbler Polisher Machine?

The magnetic polisher machine is designed to use for many years.

The life of the magnetic tumbler polisher machine will depend on many factors.

The factors are listed below.

7.1 Amount of Use

The amount of use is an important factor that affects the life of the machine.

If you use the machine on a regular basis for very long duration processes, then the life will be less.

Never run the machine continuously for very long durations.

Try to give some break in between the process.

7.2 Load in The Machine

All the magnetic tumbler machines are designed for a specific load capacity.

The operating manual which comes along with the machine specifies this maximum recommended load capacity.

So, if you load the machine more than this recommended capacity, then you are putting the machine to more stress.

Thus, the machine life will come down.

So, never overload the machine.

It will ensure that the machine works properly without any issues.

If you delay the maintenance activities then, it will have an adverse effect on the life of the machine.

If there are any part replacements to be done on the machine, then do it without fail.

Never operate the machine with parts that have exceeded its life.

7.4 Power Supply

All the magnetic tumbler machines from Inovatec machinery come either with the 220V supply or the 380V one.

So, ensure that you place the order for the right type of power supply.

You must also ensure that the power which is fed into the machine does not fluctuate too much.

Too many fluctuations on the grid can impact the control boards of the machine.

So, ensure your supply is within the standard limits.

8. Is It Required To Use Any Burnishing Compounds With The Magnetic Tumbler Polisher Machine?

It is not mandatory to use burnishing compounds in the magnetic tumbler polisher machine.

The choice of burnishing compounds will depend on the parts that you are going to use in the machine.

Some parts demand extraordinary shine.

Such parts need to use the burnishing compounds in the process to get that extra shine.



9. How Does Inovatec Machinery Ensure The Quality of The Magnetic Tumbler Polisher Machine?

Inovatec machinery has employed multiple ways that ensure high-quality magnetic tumbler machines to the customers.

We manage a vendor database, where we list our certified vendors.

All the parts that we source are subjected to quality and functional tests.

Only those parts that pass these tests are passed for production.

All the production activities follow strict quality guidelines.

All our production engineers are highly qualified with many years of experience.

Once the build is complete, then the machine is still tested for its functioning.

Once all the functional and quality tests are passed after the build, the final product gets shipped to the customers.

We also take proper care while packaging the machine before shipment.

All the packaging materials and the packaging procedures are as per the international shipping standards.

It ensures that all the machines reach our customers without any damages or issues.

These steps ensure that Inovatec machinery delivers the best quality magnetic polishing machines to the customers.

So, you can buy from us with confidence.

10. Is It Possible To Use The Magnetic Tumbler Polisher Machine For Removing Scratches from Jewelry Parts?

Yes, you can use the magnetic tumbler polishing machine to remove the scratches from the jewelry parts.

Make sure that you use the right part to media ratio for good results.

You must also ensure that you set the machine for the right time.

11. What Are The Different Types Of Magnetic Tumbler Polisher Machines Offered By Inovatec Machinery?

Inovatec machinery offers 7 models of magnetic tumbler polisher machines.

These models are listed below.

11.1 IV-C250 Magnetic Tumbler Machine

The IV-C250 model comes with 0.55KW power and a processing weight of 3kg.

So, it is ideally suited for small businesses where the quantity of parts to be processed is less.

The machine weighs around 50kg and supports 220V power supply.

11.2 IV-C300 Magnetic Tumbler Machine

It comes with 0.75KW power and a processing weight of 5kg.

The machine weighs around 80kg.

11.3 IV-C350 Magnetic Tumbler Machine

The IV-C350 model comes with 1.1KW power and a processing weight of 8kg.

It is ideally suited for business where the part quantity is in the mid-range level.

You can either go for a 220V supply or a 380V one, depending on your country's power supply specification.

11.4 IV-C450 Magnetic Tumbler Machine

The IV-C450 model comes with 1.5 KW power and a processing weight of 12kg.

This machine also come with the power supply option of 220V and 380V.

11.5 IV-C500 Magnetic Tumbler Machine

The IV-C500 model comes with 2.2 KW power and a processing weight of 16kg.

You can either go for the 380V supply or the 200V one.

11.6 IV-C600 Magnetic Tumbler Machine

The IV-C600 model comes with 3.7 KW power and a processing weight of 24kg.

It is best suited for large part quantity.

This machine comes requires a 380V power source for its operation and weighs around 320 kg.

11.7 IV-C700 Magnetic Tumbler Machine

The IV-C250 model comes with 5.5KW power and a processing weight of 32kg.

So, it is ideally suited for large businesses where the quantity of parts to be processed is high.

If you are finding it tough to select a machine for your polishing requirements, then you can contact us.

Share your finishing requirements and we will suggest the machine for you.

12. What Are The Typical Maintenance Activities That Needs To Be Done On The Magnetic Tumbler Polisher Machine?

The typical maintenance activities that need to be done on the magnetic tumbler polisher are given below.

It is to reduce the friction between those two parts of the machine in contact.

It will ensure that the machine works properly without any issues.

You can check the manual of the machine to know where to apply the grease and at what intervals.

12.2 Part Replacement

Some of the parts of the machine need to replace when they are used many times for many years.

It is a good idea to procure these spare parts just before the predicted replacement time.

It will ensure that the replacement is done at the right time.

Do the replacements without fail or delay.

12.3 Visual Inspection

You need to do a visual inspection of the machine on a regular basis.

The visual inspection will help to identify any issues in the machine.

If you find any issues during the visual inspection, then fix it immediately;

13. Do Magnetic Tumbler Polisher Machine Require An Operator To Control The Operations?

The magnetic tumbler polisher machine is not a fully automatic machine.

You will need an operator to load the parts, media, and compounds into the machine.

The operator will have to enter the necessary parameters on the control board for the processing and switch on the machine.

The machine will continue to work for the set time duration.

14. Is It Required To Control The Temperature During The Process?

No, you don't have to do any temperature control during the process.

The machine will take care of itself during the process.

15. How Is The Inovatec Support For The Magnetic Tumbler Polisher Machine After Sales?

Inovatec machinery provides complete support to our customers after sales too.

Once you receive the shipped machine, you can always get in touch with us to clarify any installation queries.

So, if any of the parts in the machine gets defective and needs a replacement, we will send the replacement part free of cost to you.

Once the warranty period is over, then all the spare parts will be available at a reasonable cost.

You can easily get it from the shops in your area or we can ship it to you also.

If you need any help to troubleshoot the machine, our engineers are ready to help.

We will also help you to select the right machine according to your polishing requirements.

16. How Safe Is The Magnetic Tumbler Polisher Machine?

The magnetic tumbler polisher machine is completely safe for the operator.

The operator needs to go through the instructions given in the user manual of the machine to get an understanding of how to operate the machine.

The instructions are very easy to follow.

17. How To Increase The Efficiency of The Magnetic Tumbler Polisher Machine?

You need to make the polishing process using the magnetic tumbler polishing machine an efficient one.

Only then, it will be fruitful to you.

We will share some tips to increase the overall efficiency of the magnetic tumbler polisher machine.

17.1 Operating Load Conditions

The load in the machine is one of the critical factors that decide the efficiency of the whole process.

You must always ensure that you operate the magnetic tumbler machine at a load capacity of 80 to 95 percent.

This load capacity will ensure that you run a highly efficient process.

You must never go for a load capacity less than 60 percent.

It will result in a highly inefficient process.

17.2 Speed of Operation

The speed of operation determines the processing time for the job.

But that doesn't mean that you can operate the machine at full speed to reduce the processing time.

The speed of operation will depend on the type of finish you are looking for in the parts and also the types of the parts.

But, make sure that you operate the machine at the maximum possible speed supported by that part for an efficient process.

The stainless steel pin media is used for polishing purposes.

You can accelerate the whole process by adding some burnishing compounds.

It will help to make the process faster.

Polishing compounds can be used to bring shine to the parts in less time.

You must also ensure that you use high-quality cleaning media.

The low-quality cleaning media can damage your expensive parts.

The low-quality media also will have less life.

So, you will have to do frequent replacements also.

Inovatec machinery manufactures the best quality stainless steel media pins.

17.4 Part to Media Ratio

The part to the media ratio is another critical parameter that affects the efficiency of the whole process.

If you use a ratio less than the recommended value, then you may not get the desired quality finish on your parts.

It can even damage the parts due to part to the part collision.

It will take more time to finish the process also.

So, if you are in the mindset of using less media for your process, then it will bring more harm than good.

So, stick to the right media.

A little extra media will not do any harm to your process.

18. What Are The Advantages Of Magnetic Tumbler Polisher Machine Over the Rotary Finishing Machine?

The advantages of using magnetic tumbler machines over rotary tumbler machines are many.

18.1 Fast Operation

The magnetic polishing tumbler machines are quite faster than the rotary tumblers.

This is mainly due to the faster action of the stainless steel media pins on the parts with the help of electromagnetism.

Rotary tumblers will take more time to process the parts than magnetic ones.

18.2 Less Material Removal

The material removal will be more in a vibratory tumbler due to the vibratory action of the media on the parts.

The material removal is almost close to zero in the case of the magnetic tumblers.

The non-abrasive stainless steel pin media ensure that the material removal is less from the parts in the case of the magnetic polisher tumbler machines.

The magnetic tumbler polishing machines has the ability to polish the hard to reach spots more effectively.

The stainless steel media pins help to reach such areas.

It will be tough to do the same job with the help of a [vibratory tumbler finishing machine](#).

18.4 Good for Small Parts

The magnetic polishing tumbler machines are well suited for small parts that are generally expensive in nature.

The magnetic polishers come with small containers that are ideally suited for small parts.

The working container of the vibratory finishing machines comes in large size since they are designed for large size parts.

Conclusion

So, Inovatec provides both the magnetic tumbler polisher machine as well as the media for pass processing your parts.

You can select the right machine that meets your polishing requirements.

Inovatec guarantees high-quality machines through our strict measures in production.

You can always get in touch with our team for your mass polishing requirements.

We will help you select the right solution for your finishing needs.

These solutions will definitely help to take your business to new heights.

About us

Based in China, we are a mass finishing equipment and media manufacturer with a renowned global clientele, including Bosch, Swatch, and Toyota.

From vibratory finishing machines to centrifugal disc and barrel finishing machines, we produce all sorts of finishing tools.

We also have a wide selection of tumbling media for various industrial applications including automotive, medical, electronics, and jewelry.

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