

This lathe combines the best features of larger lathes – power, capacity and capability with state of the art technology to make your turning more efficient, fun and safer. The NOVA GALAXI DVR™ 1644 is the most versatile lathe on the market.

It is able to handle a wide range of work from very small pens to large 29"/750mm bowls and long spindle work (using optional Outrigger accessory). Using the unique DVR technology, the direct drive motor is incredibly smooth with no pulleys or belts to vibrate.

The NOVA DVR™ series are the only smart lathes on the market, the ONLY lathes to feature intelligent ADAPTIVE CONTROL™ software that works for the turner to produce optimum turning conditions for your specific projects.

PRODUCT TECHNICAL SPECIFICATIONS	
BOWL TURNING CAPACITY	16"/406mm inboard. 29"/750mm outboard. (Using optional outrigger accessory - 55223)
SPEED RANGE	100 - 5000 RPM continual variable speed, with dial in speed control for precise and fast speed location.
TAILSTOCK	2MT hollow, Self Ejecting
SWIVEL HEADSTOCK	360 degree swivel and lock at any position, plus detent locating positions at: -90 deg, -60 deg, -30 deg, 0 deg, 30 deg, 60 deg and 90 deg. High accuracy and easy swivel. Headstock can move along bed to be positioned at the end of the bed or anywhere in between for large work.
STANDARD EQUIPMENT	- DVR motor & Controller - Cast Iron Stand (note the NOVA GALAXI DVR Lathe Cast Iron Stand is designed to allow the owner to make custom shelves to add to the stand, if desired. Shelves are not supplied with the stand) - 150mm/6" faceplate - 300mm /12" toolrest - 2MT Live Centre - 2MT Spur Centre - Knock Out Bar - Manual & Fastenings
WARRANTY	2 years DVR motor and controller 5 years rest of lathe
NET WEIGHT	436lbs/198kg
SHIPPING WEIGHT	526lbs/194kgs

NOVA GALAXI DVR LATHES

NOVA Galaxi DVR Lathe 1 1/4"8TPI USA and CAN SKU 55214
NOVA Galaxi DVR Lathe 1 1/4"8TPI AUS and NZ SKU 55215
NOVA Galaxi DVR Lathe M33 x 3.5RH UK 230v SKU 55219
NOVA Galaxi DVR Lathe M33 x 3.5RH EU 230v SKU 55217

ACCESSORIES

NOVA Galaxi Outrigger SKU 55223
NOVA Wireless Remote II SKU 55522
NOVA Magnetic Base Lamp SKU 9032

Plus the usual NOVA accessories - chucks, centers, and much more.

See NOVA Catalog or your dealer for more information.

nova galaxi dvr™



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FULLY 360° SWIVEL HEAD

Position work where you want it, makes your turning more comfortable and saves you workshop space.



LARGE TEXT OPTION

Choose small or large text display under settings.

LOW MAINTENANCE

The DVR is a simple motor - the complexity is in the electronics. It has few mechanical parts with no belts, pulleys - the motor and lathe headstock are a fully integrated whole. There are no brushes or magnets and only one set of very robust industrial grade stator windings.

IDLE MOTOR DETECTION

Like a computer, your machine will turn off after five minutes of idle with no load. You can choose to turn this feature off in the Lathe Settings menu for non-weighted projects like sanding.

INCREDIBLE SPEED RANGE

With a very low speed of 100rpm up to an incredibly high speed of 5,000rpm, the NOVA GALAXI DVR is the perfect solution for a wide variety of projects from small pens to large bowls and platters.

POWERFUL

The DVR motor is small and compact but delivers a whopping 1.75HP (2HP 220V) of direct drive turning power. Direct Drive DVR Motor offers more power/torque than any competitive 16" lathe on the market.

HIGH TORQUE

Delivers high torque from its start speed making it well suited for low speed turning. There is no belt drive - full power output is available at the spindle.

ELECTRONIC SPEED CHART

You can select for a finish, shape, or a roughing out cut. Then, input the workpiece diameter and the controller gives you the recommended speed which you can confirm or alter if you wish.

Favorite Speed Setting: This setting allows the end user to be able to input 8 pre-set speeds so with a touch on a button you can set your project up to go from roughing speed, to shaping cut, to a finish cut - very convenient and fast for setting up projects.

SPEED RAMP PROFILES

You can set a hard or soft speed ramp up. Soft - for light work at speeds lower than 500 rpm, Normal (default) - Suitable for most work, Hard - For heavy and/or "out-of-balance" work at speeds lower than 500 rpm.

STATIONARY LATHE CAPABILITIES IN A COMPACT WORKSPACE

All the power you need in a compact working space, great for those who need all the workshop space they can get! The full swivel head and articulated Outrigger Accessory (SKU 55223) means that even with large bowls (29") you are still turning in the same compact working envelope.

FLEXIBILITY IN TURNING

The headstock not only rotates a full 360 deg, but you can slide the headstock along the bed, giving you maximum flexibility and capacity in your turning.



INCREDIBLY SMOOTH TURNING

The spindle rotation is closely controlled and monitored by computer, coupled with the direct DVR drive motor setup which has no pulleys, belts to cause vibration.

ELECTRONIC AUTO BRAKING

When engaged, the spindle stops very quickly. This feature can be manually set on auto braking or off auto braking. Auto braking stops the free wheeling time to slow the workpiece down when you want to inspect or change it.



INTELLIGENT DRIVE

The computer analyzes (100s of time per second) both the spindle position and the power required to maintain a given speed. As cutting tool pressure is increased the drive adds more power. Unlike a 'dumb' AC or DC where there is no connection between the power supplied and the actual spindle requirements.

UPGRADEABLE FIRMWARE

As more features are released for the DVR Controller you will be able to download a firmware update from the internet via your computer - then input the updated program into your DVR Controller. Firmware is easy to update with a DVR USB.

WIRELESS REMOTE ACCESSORY - SKU 55522



UP TO 50% ENERGY EFFICIENCY

The DVR motor only draws as much power as necessary - this means it is very efficient in its power use and runs very cool, adding years to your motor.

PASSWORD PROTECTION

Opt for password protection on your lathe to prevent misuse.



SPEED KNOB

For precise adjustments.

EMERGENCY STOP

For added safety, the lathe is equipped with a easy-off emergency stop button.

TAILSTOCK STORAGE

Area to store centers.