



# ISOMED

Unique Multi-Function Computerised Rehabilitation Unit



# ISOMED

TEKS' medical showpiece touches on the elements of traditional isokinetics but integrates its functional hydraulic technology to deliver the most user friendly, performance orientated, durable and personal, business specific machine the fitness & medical industry has seen.



On all levels the ISOMED offers the most functional Isokinetic medical machine to enhance all your business needs. From managing your cliental to providing regular progressive feedback reports, it will leave your business with an added advantage over the competition.

As it is well documented isokinetic resistance systems provide extremely effective rehabilitative solutions to injured people, however in the past the comparative cost in performing and administering such rehabilitative methods has been out of reach for most practices. However the ISOMED changes all of this making the most in depth physiological information now available to you the administrator and informs your clients of exactly what progress they are making in a quantifiable setting.

We all recognise from a basic understanding that movement will aid in the healing process, but accommodative isokinetic resistance will ensure that the bodies own pain reflex feedback mechanism will control the amount of stress or resistance placed on the healing structure promoting a signifi-

cant reduction in rehabilitative correction time while also enabling anyone to begin limited restricted movement at very early stage post injury.

There is no argument that advanced stages of rehabilitation will require eccentric resistance, which is long established and implemented throughout the rehabilitative process however the ISOMED adds another dimension to the tools at your disposal in dispensing the most effective rehabilitative solution so your

practice stands out above the rest.

A unique feature to our functional isokinetic system is the level of safety & confidence it supplies to both the operator and end user. A significant point to this kind of resistance is a feature no other isokinetic system can offer in that the force applied adds NO END POINT LOADING associated with non active isokinetic machines eg. Hydraulic pressure. Thus there are no excessive forces transferred onto the supporting structures of a joint for there will be only smooth acceleration & deceleration of force. This point is significant in creating an extremely high sense of safety for both the operator & end user for it virtually eliminates the associated risk of injury to an already weakened area of the body. This in turn will promote greater confidence for the end user in being able to move the weakened area of the body increasing & promoting the stages of rehabilitative process & thus customer satisfaction & business profile.

However this is not the only support for increasing your business profile as features such as a dynamic user friendly

**TEKS**  
High-Speed Isokinetics

software that provides not only real time feedback in the form of force production & strength curves but includes reports on various fields touching on some 80 points of field specific data. Thus as you can imagine the insight, relationships & trends that may be derived from this will only improve your professionalism as a unique operator.

Asides from the software support in terms of session feedback the program allows you to log and track user attendance & profile plus offering 'you' the operator significant control over the prescription of movement expressed in terms of force or speeds. Thus to an alternative end this accurate control of speed through our dual feedback servo valve rotary motor technology allows much faster movements under load virtually removing any ballistic deceleration issues which could over stress a joint and impact the rehabilitative process.

Consider this along with the ability to train specific groups of muscles, with the ability to focus specifically on the lower back to aid movement and circulation to this tension prone area, plus the inclusion of 10+ specific joint exercises with the ability to adjust the arm lengths to suit all shapes and sizes with the option of personalised design features which can tie into your business theme, we recognise that what we offer will significantly increase the profile of your business and ability to do business above and beyond the currently prescribed industry standards, which will ideally maximise your returns from such an investment .

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# TEKS ISOMED

is multi-functional ISO-Kinetic rehabilitation testing system with exercise protocol. It provides rehabilitation professionals around the world with ideal ISO-Kinetic testing, monitoring and rehabilitating equipment to regenerate injured muscle tissue and effectively improve performance.



**Elbow**  
Flexion/Extension  
Also Reverse Curl both Right & Left hand  
Unilateral/Bilateral



**Shoulder**  
Internal/External Rotation  
Right & Left hand



**Pullover**  
Shoulder Flexion/Extension  
Also Abduction/Adduction  
for Right & Left hand limbs



**Hip**  
Flexion/Extension



**Abdominal/Trunk**  
Flexion/Extension  
With Back Pad



**Shoulder**  
Shoulder Abduction/Adduction  
For Right & Left hand Patent Positioning



**Hip**  
Abduction/Adduction



**Knee**  
Shoulder Flexion/Extension



**Pectoral Function**  
Also Pullover Shoulder Extension  
Unilateral/Bilateral



## ISOMED Software

- Real time performance Display
  - Software loaded with calibration system
  - 80 different fields of data
  - 7 different reports
- (Torque, Endurance, Angle ROM, Strength, Power, Comparison & Presentation Report)

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