

Panther Tanks Germany Army And Waffen Ss Defence

The Panther V evidenced a number of problems in combat, and this was the proof of the rushed development programme that?was made obvious from the events at Kursk. However, despite its disappointing battlefield debut, the Panther is frequently hailed as the best all round tank of the war.??This fascinating study by Emmy award winning author and historian Bob Carruthers draws on a wide variety of combat reports and unique primary sources to weigh up the facts in order to produce the definitive single volume overview of a legendary fighting machine. Included are numerous examples of wartime combat reports from both Allied and German sources,additionally there are a large selection of extracts from the Pantheribel, the?original crew training manual.??This superb book is essential reading for anyone interested in tank warfare during World War II.

“ Will be of great interest to modelers that plan to build a Tiger tank and to military historians alike. ” —AMPS Indianapolis By the first weeks of 1945, the Eastern Front had been pushed back to the Carpathian mountain passes in the south and Warsaw on the Vistula River in the center, while in the north, the German army was fighting in East Prussia. The Wehrmacht ’ s armored and mobile formations were now employed exclusively as fire brigades, rushed from one crisis to the next as the Red Army pushed inexorably westward. Critical to the German defense were the army ’ s heavy Panzer battalions, whose Tiger tanks, with their 8.8 cm guns, were almost invincible on the open plains of central Europe. In his latest book in the TankCraft series, Dennis Oliver uses archive photos and extensively researched color illustrations to examine the Tiger tanks and units of the German Army and Waffen-SS heavy Panzer battalions that struggled to resist the onslaught of Soviet armor during the last days of the conflict that culminated in the battle for Berlin. A key section of this book displays available model kits and aftermarket products, complemented by a gallery of beautifully constructed and painted models in various scales. Technical details as well as modifications introduced during production and in the field are also examined, providing everything the modeler needs to create an accurate representation of these historic tanks.

Panzers at War takes us around and inside the tanks of the German military during World War II, ranging from the two-man 6-ton Panzer I light tank, armed only with machine guns, to the five-man 70-ton Tiger B tank armed with the powerful 88mm main gun that inspired fear among all its opponents. The At War series features accessibly-written books on military equipment and elite military units, including exciting first person accounts and descriptions of combat and equipment through the eyes soldiers and other military personnel.

The Panzerkampfwagen V Panther is one of the best-known German tanks in existence and is considered one of the greatest tanks of World War II. When in June of 1941, Germany invaded Russia, Panzertruppe encountered KV series and T-34/76 tanks, far superior in firepower and armour protection to any Panzer in service at the time. It was therefore decided to design a new more powerful medium tank, which could be quickly put into production. This book details the result, the Medium Battle Tank, available for service in January 1943. Later models ensured that it became one of the most feared tanks of WWII.

Panther Tanks

Unpublished Scientific Reports from the Second World War

Panzers at War

Axis Tanks of the Second World War

German Tanks of World War II

Germany ’ s quest for combat dominance

Panther Tanks - German Army Panzer Brigades

During the second half of 1943, after the failure at Kursk, GermanyÕs Army Group South fell back from Russia under repeated hammer blows from the Red Army. Under Erich von Manstein, however, the Germans were able to avoid serious defeats, while at the same time fending off HitlerÕs insane orders to hold on to useless territory. Then, in January 1944, a disaster happened. Six divisions of Army Group South became surrounded after sudden attacks by the 1st and 2nd Ukrainian Fronts under command of generals Nikolai Vatutin and Ivan Konev around the village of Korsun (near the larger town of Cherkassy on the Dnieper). The GermansÕ greatest fear was the prospect of another Stalingrad, the catastrophe that had occurred precisely one year before. This time, though, Manstein was in control from the start, and he immediately rearranged his Army Group to rescue his trapped divisions. A major panzer drive got underway, led by General der Panzertruppen Hans Hube, a survivor from Stalingrad pocket, which promptly ran up against several soviet tank armies. Leading the break-in was Franz Baeke with his Tiger and Panther-tanks. Due to both weather and ferocious resistance, the German drive stalled. Ju-52s still flew into KorsunÕs airfield, delivering supplies and taking out wounded, but it soon became apparent that only one option remained for the beleaguered defenders: breakout. Without consulting Hitler, on the night of February 16 Manstein ordered the breakout to begin. Led by the strongest formation within the pocket, SS Wiking, the trapped forces surged out and soon rejoined the surrounding panzer divisions who had been fully engaged in weakening the ring. When dawn broke, the Soviets realized their prey was escaping. Although the Germans within the pocket lost nearly all of their heavy weapons and left many wounded behind, their escape was effected. Stalin, having anticipated another Stalingrad, was left with little but an empty bag, as Army Group SouthNthis timeÑhad pulled off a rescue. In The Korsun Pocket, Niklas Zetterling, a researcher at the Swedish Defense College since 1995 and Anders Frankson, have provided a highly detailed and often breathtaking account of one of the most dramatic battles of World War II. From grand strategy to soldiersÕ voices on the ground, including expert statistical analysis, the action, and the stakes, of the battle at Korsun are made vividly clear.

From the Soviet T-34 and German Panther tanks of World War II to the M1A2 Abrams, Challenger 2 and T-90 of the present day, The World’s Greatest Tanks is an expert examination of the most successful tanks of the past hundred years. Beginning with the prototype Mark V Male in 1917, The World’s Greatest Tanks features 52 of the best armoured fighting vehicles from World War I, World War II, through the Cold War and up to the highly sophisticated tanks that have seen recent service in wars in the Balkans, Caucasus, and Middle East. Each entry is examined over two spreads and includes a brief description of the tank’s development and history, a colour profile artwork, photographs, key features and specifications tables. Packed with more than 200 artworks and photographs, The World’s Greatest Tanks is a colourful guide for the military historian and military technology enthusiast.

Armee-Abteilung Narwa is a fictional story. The name identifies an actual department of German Army Group North that stubbornly held the Russian Army from breaking through at Narva, Estonia. German Army Group North requested approval to begin an organized retreat from Leningrad to Estonia in late 1943, but had been ordered by Hitler to hold. When the Russian Army broke through the Leningrad Blockade in late January 1944, the resulting colossal German Army retreat to the west was incredibly disorganized. The Red Army pressed all the way to the Narva River, where they were stopped by Armee-Abteilung Narwa. For the next few months, stragglers from the numerous German Divisions bypassed by the Russians at the Leningrad Front kept fighting their way back to join the German defenders at the Panther Line on the Narva River. Arnee-Abteilung Narwa focuses on individuals from both sides of the various battles during the confused German retreat. Experience the vicious Total War that was fought on the Eastern Front during WWII, through the eyes of participants on both sides of the conflict.

“Concentrates on the Panzer III as operated during the invasion of the Soviet Union . . . a mixture of history, camouflage and models . . . well done.” —ModelingMadness.com The Pzkwfw III tank was the mainstay of the Panzer divisions during the Blitzkrieg era, which could fairly be said to have ended with the Germans’ failure to take Moscow in the winter of 1941. Although less heavily armored than many of its opponents and somewhat outgunned by the latest Soviet types, the Pzkwfw III was at the forefront of the advances made over almost impossible distances during the summer and autumn and provided the core of the armored reserve that fought the defensive battles of the winter months. In Dennis Oliver’s latest volume in the TankCraft series he uses archive photos and extensively researched color illustrations to examine the Pzkwfw III and the units that operated this deservedly famous armored vehicle along a 1,000-mile front during the battles of Operation Barbarossa, the German invasion of the Soviet Union. A key section of his book displays available model kits and after-market products, complemented by a gallery of beautifully constructed and painted models in various scales. Technical details as well as modifications introduced during production and in the field are also examined, providing everything the modeler needs to recreate an accurate representation of these historic tanks. “This book will prove invaluable for model makers and military historians interested in this often overlooked but important AFV. This is another great addition to the TankCraft series and is highly recommended to all.” —Miniature Armoured Fighting Vehicles Association

United States vs. German Equipment 1945

Spearhead

Panther

Panther Tank in Action

The Panther V in Combat

The Panther Tank

Hitler’s Panther Tank Battalions, 1943–1945

This pictorial history presents an in-depth study of the various tanks built and deployed by the Axis Alliance during WWII. Though Nazi Panzer tanks have become a ubiquitous symbol of Axis Alliance combat, the Japanese Army had more tanks than Germany in 1938. These included the Type 95 light tank and the Type 89 and 97 medium tanks. Other Axis powers, including Italy, Romania and Hungary also built their own tanks. The latter was responsible for the Toldi and Turan light tank series. In this informative collection of wartime photographs, military expert Michael Green discusses how the Axis powers drew on British and French tank designs in the period leading up to the Second World War. The Carden-Loyd tankette suspension was used as a model for the Panzer 1 series as well as the light Italian and Japanese tanks. German engineering talent then produced the ingenious designs of the Panzer II, III and IV series and, later in the War, the Panther Medium and Tiger heavy tanks.

In July 1944, with the Eastern Front crumbling and the first cracks appearing in the Normandy defenses, Hitler ordered the creation of a new type of unit based on the ad-hoc Kampfgruppen which the Germans used so successfully throughout the war. Hastily assembled and short-lived these independent Panzer brigades nevertheless served on both fronts in some of the fiercest fighting of the conflict. The real striking power of the initial units would a battalion equipped with the Pzkwfw V Panther, perhaps the most effective armored vehicle produced by Germany during the Second World War. In Dennis Oliver’s latest volume in the TankCraft series he uses archive photos and extensively researched color illustrations to examine the Panther battalions of the Panzer brigades that fought to hold back the Allied advance during the last months of 1944. A key section of his book displays available model kits and after-market products, complemented by a gallery of beautifully constructed and painted models in various scales. Technical details as well as modifications introduced during production and in the field are also examined providing everything the modeler needs to recreate an accurate representation of these historic tanks.

THE NEW YORK TIMES, WALL STREET JOURNAL, LOS ANGELES TIMES, AND USA TODAY BESTSELLER “A band of brothers in an American tank . . . Makos drops the reader back into the Pershing’s turret and dials up a battle scene to rival the peak moments of Fury.” —The Wall Street Journal From the author of the international bestseller A Higher Call comes the riveting World War II story of an American tank gunner’s journey into the heart of the Third Reich, where he will meet destiny in an iconic armor duel—and forge an enduring bond with his enemy. When Clarence Smoyer is assigned to the gunner’s seat of his Sherman tank, his crewmates discover that the gentle giant from Pennsylvania has a hidden talent: He’s a natural-born shooter. At first, Clarence and his fellow crews in the legendary 3rd Armored Division—“Spearhead”—thought their tanks were invincible. Then they met the German Panther, with a gun so murderous it could shoot through one Sherman and into the next. Soon a pattern emerged: The lead tank always gets hit. After Clarence sees his friends cut down breaching the West Wall and holding the line in the Battle of the Bulge, he and his crew are given a weapon with the power to avenge their fallen brothers: the Pershing, a state-of-the-art “super tank,” one of twenty in the European theater. But with it comes a harrowing new responsibility: Now they will spearhead every attack. That’s how Clarence, the corporal from coal country, finds himself leading the U.S. Army into its largest urban battle of the European war, the fight for Cologne, the “Fortress City” of Germany. Battling through the ruins, Clarence will engage the fearsome Panther in a duel immortalized by an army cameraman. And he will square off with Gustav Schaefer, a teenager behind the trigger in a Panzer IV tank, whose crew has been sent on a suicide mission to stop the Americans. As Clarence and Gustav trade fire down a long boulevard, they are taken by surprise by a tragic mistake of war. What happens next will haunt Clarence to the modern day, drawing him back to Cologne to do the unthinkable: to face his enemy, one last time. Praise for Spearhead “A detailed, gripping account . . . the remarkable story of two tank crewmen, from opposite sides of the conflict, who endure the grisly nature of tank warfare.” —USA Today (four out of four stars) “Strong and dramatic . . . Makos established himself as a meticulous researcher who’s equally adept at spinning a good old-fashioned yarn. . . . For a World War II aficionado, it will read like a dream.” —Associated Press

The appearance of the T-34 in 1941 caused a crisis for German antitank forces. Existing antitank guns were nearly impotent against the new Russian tank, while antiaircraft and artillery pieces, though successful when pressed into action, were insufficiently mobile to accompany mechanized forces. The German Army Ordnance Office, the Heereswaffenamt, was responsible for development of new weapons and would be responsible for countering the threat of Russian armor. The Heereswaffenamt would need to not only counter the T-34, but also do so in an environment of shifting political relationships and with an increasingly stressed industrial system. Utilizing lessons from the bitterly contested battlefields of western Russia, the Heereswaffenamt developed a tank-destroyer, the Jagdpazer IV, using the existing chassis of the Panzer IV tank, and the guns of both the Panzer IV and Panther tanks. The Jagdpanzer IV, known by its crews as Guderian’s Duck, proved to be a capable tank killer against both the T-34 threat of 1941 and 1942, as well as the improved versions of 1943 and 1944.

Eastern Front, 1942

Panzers at War 1943-1945

Normandy 1944

Panther Medium Tank 1942-45

Guderian's Problem Child

The World's Greatest Tanks

From Tiger to E-100

Armor expert Zaloga enters the battle over the best tanks of World War II with this heavy-caliber blast of a book armed with more than forty years of research.

“First class illustration and a very effective text overview . . . covers the development, on the Panther chassis, of a very effective tank destroyer.”—Firetrench Combining the destructive firepower of the 88mm gun with the outstanding mobility of the Panther series, the Jagdpanther is quite probably the best-known tank destroyer of the Second World War. In the vehicle’s first action on 30 July 1944, three Jagdpanthers managed to destroy eleven British tanks in a vicious two-minute fire fight near the village of Les Loges in Normandy, cementing the Jagdpanther’s reputation as a potent tank killer. In his fifth book in the TankCraft series, Dennis Oliver uses contemporary photographs and meticulously researched, superbly presented color and monochrome illustrations to tell the story of these heavy self-propelled antitank guns and the units which operated them in the German defense of the Western Front. As with all the books in the TankCraft series, a large part of this work showcases available model kits and aftermarket products, complemented by a gallery of expertly constructed and painted models. Technical details as well as modifications introduced during production and in the field are also explained giving the modeler all the information and knowledge required. “Really interesting concept to combine historical, technical and modeling content in one book. Nicely illustrated . . . As a first Jagdpanther book for modelers seeking an economical source on models, accessories and paint schemes, this is valuable... Highly Recommended for Beginner to Intermediate builders.”—AMPS

This pictorial history of the Nazi Panther tank offers an in-depth analysis of its innovative design and its role on the Eastern Front of WWII. The German Panther was one of the most important tanks of the Second World War, ranking alongside the American Sherman and the Soviet T-34. In a comprehensive study of this remarkable fighting vehicle, author and military expert Anthony Tucker-Jones presents more than 100 archival photographs, along with a selection of color profiles, illustrating its design, development and operations in battle. On the Eastern Front, the German army needed to counter the Red Army’s robust and utilitarian T-34 tank, which were increasingly deployed by the Russians in decisive numbers. The German military rapidly produced the Panther as its answer to this threat. With its sloping armor and a high-velocity 75mm gun, it proved to be a better medium tank than its predecessor, the Mk IV. More versatile than the heavyweight Tiger, it was superior to most of the Allied tanks it faced and had a significant influence on subsequent tank design.

In most people’s opinion, the German Panther tank was the most elegant tank design of World War II. It embodied a balance of firepower, armor protection, and mobility unmatched by any other tank of the period. Yet, it was not the war-winner it might have been. Author Mike Green examines the disparity between the potential of the Panther design and the actuality of the fielded Panther tank in this new book. Though many viewed the Panther as an engineering masterpiece and a technological breakthrough, it failed to meet expectations on the battlefield, and thus proved a major setback to Hitler’s dreams of world domination. Green explores the evolution, and devolution, of the Panther, providing keen insight and new reasons for its ultimate failure.

Building Guderian’s Duck: Germany’s Response To The Eastern Front Antitank Crisis, 1941 To 1945

German Army and Waffen-SS, Western Europe, 1944–1945

German Army and Waffen-SS, Defence of the West, 1945

Western and Eastern Fronts, 1944–1945

German Army Heavy Tank, Southern Front, North Africa, Sicily and Italy, 1942–1945

German Army and Waffen-SS The Last Battles in the East, 1945

How to Kill a Panther Tank

This text explores in detail the technical development of the formidable Panther, but also the tactics, personalities and events that determined its use in Germany’s last ditch attempts to save the war.

This fully illustrated WWII history presents an in-depth look at the Nazi war machine’s most fearsome armored vehicles. From July 1943 to the Nazis’ final defeat in May 1945, the Panther battle tank and its variants were the mainstay of Germany’s armored forces. This superbly engineered fighting vehicle offered a lethal combination of firepower, mobility, and protection. As this classic Images of War series title reveals, the Panther saw nonstop fighting on the Eastern, Western, and Italian fronts. Using 250 rare and often unpublished wartime photographs with full captions and authoritative text, it provides a comprehensive coverage of elite Panther battalions in action.

volume traces the development of the Panther Tank and also covers supporting vehicles within the Panther battalions. These included armored recovery, Bergepanther, halftracks, Sd.kfz.2 Kettenrad, gun tractors and communications vehicles.

Their motto was "Come Out Fighting," and that they did without fail. The 761st Tank Battalion - the famed "Black Panthers" - was the first African American armored unit to enter combat, and in World War II they fought in four major Allied campaigns and inflicted 130,000 casualties on the German army. And the fighting was intense - only out of every two Black Panthers made it home alive. This is the complete history of the 761st, told in large part through the words of the surviving members of the unit. Richly illustrated, this work recounts how the unit was given long overdue recognition - the Presidential Unit Citation and the Medal of Honor - in recent years.

In this book Steven J Zaloga offers a fascinating comparison between the two most important tanks involved in the crucial fighting of 1944, the American Sherman and the German Panther. Placing the reader in the heart of this battle between quality and quantity Zaloga uses a compelling account of the ferocious fighting during the Battle of the Bulge to explain the successes and failures of each tank, highlighting the fact that a tank can only be as good as its crew, weighing up the impact of low morale, high cost and mediocre crew training on the Panther's superiority. With full-colour battlescenes, technical drawings, photographs, digital gunsight views, extracts from crew training manuals and real combat reports, this book brings the titanic battles between the Panther and Sherman to life.

Normandy Campaign 1944

IV. SS-Panzerkorps Eastern Front, 1944

Sherman Tanks of the British Army and Royal Marines

Jagdpanther Tank Destroyer

Operation Barbarossa 1941

Testing And Fielding Of The Panther Tank And Lessons For Force XXI

American Panther Tanks

During the summer of 1944 a series of massive Soviet offensives threatened to destroy the entire German army on the Eastern Front. As the Wehrmacht scrambled to hold what ground it could many formations simply disappeared and the available armored units were used to plug the gaps in the front line. One of the most important elements of the defense was the newly raised IV.SS-Panzerkorps which contained the veteran Totenkopf and Wiking divisions. Although both were well equipped their real striking power lay in the battalion of Pztkpfw V Panther tanks with which each was outfitted, perhaps the most effective armored fighting vehicle produced by Germany during the Second World War. In Dennis Oliver's latest volume in the TankCraft series, he uses archive photos and extensively researched color illustrations to examine the Panther battalions of these famous units that fought to hold back the Soviet advance during the last months of 1944. A key section of his book displays available model kits and aftermarket products, complemented by a gallery of beautifully constructed and painted models in various scales. Technical details as well as modifications introduced during production and in the field are also examined providing everything the modeler needs to recreate an accurate representation of these historic tanks.

Tiger tanks were among the most-feared fighting vehicles of the Second World War and they gained almost legendary status, yet they never fulfilled their potential because they were not produced in sufficient numbers and the tide the war had turned against the German army by the time they were introduced. Often they were deployed in difficult circumstances and in defensive battles, struggling against the odds. Nowhere was this more true than in western Europe during the Allied advance across France and into Germany, and it is the Tigers of this phase of the war that Dennis Oliver portrays in his third volume on the Tiger in the TankCraft series. He uses archive photos and extensively researched color illustrations to examine the Tiger tanks and units of the German Army and Waffen-SS heavy panzer battalions that struggled to resist the onslaught of Allied armor and air attacks during the last days of the conflict. A key section of his book displays available model kits and aftermarket products, complemented by a gallery of beautifully constructed and painted models in various scales. Technical details as well as modifications introduced during production and in the field are also examined providing everything the modeler needs to recreate an accurate representation of these historic tanks.

A fully illustrated guide to the German Tiger I tank and its operations in the field by the renowned expert on WWII armored vehicles. At Hitler's insistence, the first Tiger I tanks drove into action in Tunisia in December 1942. Despite their lack of reliability and the small number deployed, they quickly gained a fierce reputation. With its heavy armor and 88mm gun, the Tiger I outclassed all the Allied tanks then in service. Beyond their deployment in North Africa, they also operated in Sicily and Italy between 1943 and 1945. In his second volume in the TankCraft series on the Tiger, Dennis Oliver uses archive photos and extensively researched color illustrations to examine the Tiger tank and the German army units that first took them into combat. Perfect for model enthusiasts, Tiger I showcases available model kits and aftermarket products. It also includes a gallery of beautifully constructed and painted models in various scales. Technical details, as well as modifications introduced during production and in the field, are also examined providing everything the modeler needs to recreate an accurate representation of the tanks.

Are you looking for a fun gift for someone close to you? This is a perfect blank, lined notebook for men, women, and children. Great for taking down notes, reminders, and crafting to-do lists. Also a great creativity gift for decoration or for a notebook for school or office! This notebook is an excellent accessory for your desk at home or at the office. It's the perfect travel size to fit in a laptop bag or backpack. Use it on the go and you will keep all of your notes and reminders in organized in one place. Professionally designed this 6x9 notebook provides the medium for you to detail your thoughts. Buy your notebook today and begin to fill the pre-lined pages with your heart's desire. Your new notebook includes: Fresh white paper 100 pages 6x9 inch format Paper color: White We have even more wonderful titles that you'll enjoy! Be sure to click on the author name for other great notebook ideas.

Tiger I

Panther & Its Variants

Germany Army and Waffen SS, Normandy Campaign 1944

Korsun Pocket

German Army and Waffen-SS, The Last Battles in the West, 1945

Composition Notebook

“One neat book full of markings for British Shermans. It will greatly appeal to both modelers and AFV enthusiasts and historians.”—AMPS Indianapolis With production in excess of 55,000, the Sherman tank was eventually in service with most Allied armies of the Second World War and by the time of the Normandy landings was the mainstay of Britain’s armored battalions. In his second book in the TankCraft series, Dennis Oliver uses wartime photos and extensively researched, exquisitely presented color illustrations to cover the Sherman tanks used by the units of the Royal Armoured Corps and the Royal Marines during the fighting in northern France. As with all the books in the TankCraft series, a large part of this work showcases available model kits and aftermarket products, complemented by a gallery of beautifully constructed and painted models in various scales. Technical details as well as modifications introduced during production and in the field are also explained as is the complex system of markings employed by British armored regiments. This book will give the modeler all the information and knowledge required to recreate an authentic miniature representation of the tanks that fought from the beaches of Normandy, through the battles for Caen and on to killing fields of Falaise. “Provides a clear overview of the Sherman tank in British service during the Normandy Campaign. This will appeal to anyone with an interest in armoured warfare and the period covered. Much Recommended.”—Firetrench “A good-value reference for any Sherman fan, but particularly those new to the subject and who favour ‘Blighty’s’ armour.”—Airfix Model World

The first two volumes of this definitive history of German armor are now available in English! Known for its emphasis on detail, the Spielberger series shows in factory, test and combat photographs, and detailed line drawings, all production models, prototypes and modifications of specific armor and military vehicles. Volume I covers all variations of the "Panther" tanks, including all vehicles that used the Panther chassis. Volume II on the Sturmgeschutz assault guns, shows all short and long gun versions, as well as the various support vehicles of the Sturmartillerie. Upcoming volumes include: Volume III on the Panzer IV, and Volume IV and the Panzer III.

Though not as celebrated in literature (or propaganda) as the much feared Tiger, the Panther tank was arguably the more effective of Germany's two World War II-era "cats." Sometimes known as the Panzerkampfwagen V, the Panther was introduced in 1943 as Germany's new medium tank, intended to replace both the Panzer III and Panzer IV, both of which proved outclassed by the Soviet T-34 and KV-1. The tank had excellent firepower and protection for its day, but early Panthers especially were plagued with mechanical issues, many of which were the result of the vehicles being rushed into production and into the field where they were manned by troops who lacked adequate training on the tanks - all in a feverish effort to stem the Soviet counteroffensive in 1943. While some issues, such as troop training, were corrected - at least in the short term, some of the mechanical issues, notably problems with the transmission, continued to plague the Panther to the end of the war. These issues were compounded by the incessant Allied bombing not only of the tank assembly plants, but also of the factories that made key parts and subassemblies. A further problem for the Panther arose as a result of the use of slave labor to manufacture the tanks and their components. Intended in part to lower the 117,100 Reichmark vehicle cost, the use of hostile prisoners in industry resulted in frequent instances of sabotage that, a 1947 study showed, were effective. With its sloping armor, both to deflect shot and to increase effective thickness, even 75 years later the Panther still has a modern appearance. Nevertheless, the tank failed to live up to its potential. Originally designed as a 30-ton vehicle, with an engine and transmission sized accordingly, as typical of German tank designs, the Panther's weight soon began to climb, ultimately soaring to over 45 tons, which astoundingly is nearly the original design weight of the massive Tiger tank.

Using only original official period documents from the Second World War this book tries to provide the reader with the same information on the Panzer V Panther tank that was available to British and Commonwealth senior officers and tank crews during the war. As soon as intelligence reports confirmed the existence of the Panther tank the hunt was on to find reliable information on how to knock out this new German tank. Most people believe that the only way to stop a Panther was to penetrate its armour with an armour piercing A.P. round. Luckily the British 17 pdr anti-tank gun could do that but the British were also looking how to knock them out by using other weapons. They tested using high explosive artillery rounds and 20 mm air attack aircraft canon rounds to penetrate and damage the tank's rear engine deck and puncture the vehicle's radiators. Loss of water would cause the engine to overheat and stop working. Tank radiators were large and spares were not carried on the tank. If the Panther could not be recovered back to a maintenance depot the crew would have to abandon the tank and disable it by setting off internal explosive charges.

Panther Medium Tank

Armee-Abteilung Narwa

German Heavy Fighting Vehicles of the Second World War

Hitlers T-34 Killer

Panzer V Panther Tank German Army Blueprint WWII Gift Journal/Notebook Blank Lined Ruled 6x9 100 Pages

The Top Tanks of World War II

An Examination of the Five Surviving Panzer V Tanks Including the Rare Panther II

This sounds a strange title for a book, but currently, there are five surviving German Panther tanks in America. This book examines the restored Panther tank at the American Heritage Museum, Hudson, MA and the four held by the U.S. Army Armor and Cavalry Collection, Fort Benning, GA, including the Panther II.

In late 1944 and 1945 the Panther tank played an important role in Germany's desperate efforts to stem the Allied advance on the Western Front. The Panther, perhaps the best armored vehicle produced by Germany during the Second World War, was a key element in the Wehrmacht's defensive tactics, in rearguard actions and counterattacks, and it took a prominent part in the Battle of the Bulge. So it is an ideal subject for Dennis Oliver's latest volume in the TankCraft series. He uses archive photos and extensively researched color illustrations to examine the Panther tanks and units of the German army and Waffen-SS panzer battalions that struggled to resist the Allied onslaught. A key section of his book displays available model kits and painted models in various scales. Technical details as well as modifications introduced during production and in the field are also examined providing everything the modeler needs to recreate an accurate representation of these historic tanks.

History buffs, modelers, and wargamers will find "authentic orders of battle and narratives of the actual situations these units faced in Normandy" (Schopenhauer's Workshop). Central to the German strategy of dealing with an Allied landing in France was the availability of a strong, mobile armored reserve. In June 1944, as part of this force, the Army in the West was equipped with the Tiger I, the most powerful fighting vehicle produced by Germany during the Second World War. British and American tank crews found to their horror that the Panthers could often survive numerous hits while a single round from one of their 75mm guns was enough to destroy any enemy tank. In his third book in the TankCraft series, Dennis Oliver uses archive photographs and painstakingly researched color illustrations to examine the Tiger I tanks and units of the German Army and Waffen-SS heavy panzer battalions that struggled to resist the Allied onslaught. A key section of his book displays available model kits and painted models in various scales. Technical details as well as modifications introduced during production and in the field are also examined providing everything the modeller needs to recreate an accurate representation of the Tigers of 1942 and early 1943.

A revised and updated single-source reference book accurately detailing the German field forces employed in Normandy in 1944 and their losses. In this book, military historian Dr. Niklas Zetterling provides a sobering analysis of the subject matter and debunks a number of popular myths concerning the Normandy campaign—the effectiveness of Allied air power; the preferential treatment of Waffen-SS formations in comparison to their army counterparts; etc. He supports his text with exhaustive footnoting and provides an organizational chart for most of the formations covered in the book. Also included are numerous organizational diagrams, charts, tables, and graphs. "A valuable reference for anyone seriously interested in the battle for Normandy." —The NYMAS Review

German Army and Waffen-SS Normandy Campaign 1944

An Illustrated History of the First African American Armored Unit to See Combat

Tiger I and Tiger II Tanks

The Quest for Supremacy : Development, Modifications, Rare Variants Characteristics, Combat Accounts

Tiger I, German Army Heavy Tank

Panzer III—German Army Light Tank

Germany's Panther Tank

Over 20 years of research went into the creation of this history of the development, characteristics, and capabilities of the Panther.

The Tiger I and Tiger II tanks are probably the most famous German armoured fighting vehicles of the Second World War and despite the relatively small numbers produced, the heavy Panzer units of the German Army played a key role in the battles fought in North Africa, Italy, the Western Front and particularly in the East. In the seventh and final book on the Tiger in this series Dennis Oliver examines the first tanks that left the production line to go into service on the Eastern Front in an effort to break the Russian defences around Leningrad. As reinforcements steadily arrived, the same units played an important part in the blunting of the Soviet offensive efforts and in the retaking of Kharkov in eastern Ukraine in early 1943, a tactical achievement that is studied in military academies around the world today. In addition to archive photographs and painstakingly researched, exquisitely presented color illustrations, a large part of this book showcases available model kits and aftermarket products, complemented by a gallery of beautifully constructed and painted models in various scales. Technical details as well as modifications introduced during production and in the field are also examined providing everything the modeler needs to recreate an accurate representation of the Tigers of 1942 and early 1943.

A revised and updated single-source reference book accurately detailing the German field forces employed in Normandy in 1944 and their losses. In this book, military historian Dr. Niklas Zetterling provides a sobering analysis of the subject matter and debunks a number of popular myths concerning the Normandy campaign—the effectiveness of Allied air power; the preferential treatment of Waffen-SS formations in comparison to their army counterparts; etc. He supports his text with exhaustive footnoting and provides an organizational chart for most of the formations covered in the book. Also included are numerous organizational diagrams, charts, tables, and graphs. "A valuable reference for anyone seriously interested in the battle for Normandy." —The NYMAS Review

The German army faced tanks of superior size, armor and firepower from the outset of World War II. Although their Panzerwaffen handled the Polish campaign, war with France meant confronting superior heavy and medium tanks like the Char B and Somua, with 47 mm high velocity cannon that penetrated German tank armor with ease. French infantry disposed of effective antitank weapons and a portion of their 75 mm field guns were detailed as antitank guns. Even greater challenges emerged with the Russo-German War, for the Germans had no initial answer to the KV-1 heavy tank and T-34 medium. The successive technical shocks of superior tanks introduced by each side produced a gun-armor race that continued in some manner even after the war's end. The Germans placed a premium on technological quality and superiority over mass production, for which their industry (and, arguably, their regime) remained rather unsuited. Not satisfied with the advantage they obtained with the Tiger and Panther series tanks, the army leadership and Adolf Hitler himself pushed for larger and more powerful tanks than had ever been built.

Panther vs Sherman

An Illustrated History

Battle of the Bulge 1944

German Military Organization, Combat Power and Organizational Effectiveness

Tiger I & Tiger II Tanks

The Encirclement and Breakout of a German Army in the East, 1944

Wwii on the Eastern Front

There are several historical instances of the problems caused when equipment is rushed in production and fielded too soon. A great example of this was the German rush to field the new Panther tank before the Battle of Kursk during the Second World War. Unlike the U. S. Army today, the Germans were trying to develop, test and field a major weapon system while fighting a war. It can be argued that the Panther tank was the finest tank built during the Second World War, but it certainly did not make its appearance on the battlefield with great distinction. The study of the Panther tank shows the dangers the U. S. Army faces today as the Army tests equipment that will digitize the battlefield. The Panther clearly shows three potential pitfalls of new equipment. These pitfalls are: •the user of the equipment must have input to the design and development, •new tactics were not formulated to capture the advantage of the new equipment, •logistics required for fielding the new equipment must be in place. Each of these pitfalls caused significant problems for the Panther tank. They can cause significantly more problems for the Army as the equipment being tested and fielded today will be used largely for command and control. Today's U.S. Army has the potential to experience the pitfalls of the Panther. As the Army moves to digitize the battlefield it will use information technologies that it hopes will produce disproportional lethality...If we do not pay attention to the lessons learned from past fielding of equipment, and more importantly, the possible consequences of introducing equipment not yet fully tested to the field, the Army will create more problems for itself with the new technologies used in Force XXI.

By the first weeks of 1945, the Eastern Front had been pushed back to the Carpathian mountain passes in the south and Warsaw on the Vistula River in the center, while in the north, the German army was fighting in East Prussia. The Wehrmacht's armored and mobile formations were now employed exclusively as fire brigades, rushed from one crisis to the next as the Red Army pushed inexorably westward. Critical to the German defense were the army's heavy Panzer battalions whose Tiger tanks, with their 8.8 cm guns, were almost invincible on the open plains of central Europe. In his latest book in the TankCraft series, Dennis Oliver uses archive photos and extensively researched color illustrations to examine the Tiger tanks and units of the German Army and Waffen-SS heavy Panzer battalions that struggled to resist the onslaught of Soviet armor during the last days of the conflict which culminated in the battle for Berlin. A key section of his book displays available model kits and aftermarket products, complemented by a gallery of beautifully constructed and painted models in various scales. Technical details as well as modifications introduced during production and in the field are also examined providing everything the modeler needs to recreate an accurate representation of these historic tanks.

The 761st "Black Panther" Tank Battalion in World War II

Armored Champion

An American Tank Gunner, His Enemy, and a Collision of Lives in World War II